MATSUI 1496R/T & 2096R/T

COLOUR TELEVISION

SERVICE MANUAL

Specifications are subject to change without notice.

MATSUI 1496R/T & 2096R/T

COLOUR TELEVISION

CONTENTS

SPECIFICATIONS	i
SERVICING ADJUSTMENTS & ALIGNMENTS	2-3
REMOVAL OF CHILD LOCK	4
BLOCK DIAGRAM	5
PCB LAYOUT - MAIN	6
PCB LAYOUTS - TELETEXT & CRT	7
INTERNAL BLOCK DIAGRAM	8
POWER SCHEMATIC DIAGRAM	9
MAIN SCHEMATIC DIAGRAM	10
IC INTERNAL BLOCK DIAGRAM & CHARTS	11
CHANNEL SCHEMATIC DIAGRAM	12
INTENTIONALLY LEFT BLANK	13
BLOCK DIAGRAM (LA7830)	14
DRIVE SCHEMATIC DIAGRAM	15
LED & TELETEXT SCHEMATIC DIAGRAM	16
CRT & AV SCHEMATIC DIAGRAM	17
EXPLODED VIEWS	18
REPLACEMENT PARTS LIST FOR ***1496R/T***	19-32
REPLACEMENT PARTS LIST FOR ***2096R/T***	33-47

MATSUI 1496R/T & 2096R/T

MANUAL NUMBER **665684**

COLOUR TELEVISION

SPECIFICATIONS

Specifications for Matsui 1496R/T

- Picture Tube : 37cm measured diagonally
- Colour System : PAL I
- Tuning System : 100 tuneable channels & one SCART input channel
- External antenna : 75Ω DIN type
- Sound Output : 3 Watts RMS
- SCART socket : 21 PIN

GENERAL

- Mains Supply : AC 240V 50Hz
- Power consumption : 60W (max.)
- Accessories : Remote Control & Remote Control batteries

Specifications for Matsui 2096R/T

- Picture tube : 50cm measured diagonally
- Colour System : PAL I
- Tuning System : 100 tuneable channels & one SCART input channel
- External Antenna : 75Ω DIN type
- Sound Output : 4 Watts RMS
- SCART socket : 21 PIN

GENERAL :

- Mains Supply : AC 240V 50Hz
- Power Consumption : 70W (max.)
- Accessories : Remote Control & Remote Control batteries

HIGH VOLTAGE TEST

There is no high voltage adjustment component on the chassis. Changing of +120 depends on the supply voltage. If high voltage is to be measured.

1. Connect the + probe of high voltage tester to the anode of cpt.
2. Adjust contrast and brightness to minimum.
3. Measure the high voltage as 23.0+5%KVdc for 14". That voltage is 25.5±5%KV dc KV for 20" (51cm) screen size.
4. For maximum brightness, high voltage regulation should be 2KV dc max.

AGC ADJUSTMENT

1. Adjust Philips pattern signal which is 60dB uV amplitude (1V) to the RF input.
2. Adjust VR182 until a picture is without snow.

VERTICAL ADJUSTMENT

1. Apply Philips pattern.
2. Cut down vertical amplitude with VR576.
3. Centre picture with three position key.
4. Make vertical adjustment with VR576 that will see lower and top lines of picture.

HORIZONTAL ADJUSTMENT

1. Apply Philips pattern signal.
2. Centre the picture to right or left with VR181.

ADJUSTMENT OF SUPPLY VOLTAGE

1. Apply Philips patter signal.
2. Make the volume, brightness and contrast adjustment to minimum.
3. Adjust the supply voltage on the pin cathode of D112 as Vsys = 120±0.5 by using VR101.

FOCUS ADJUSTMENT

Adjust the thickness of lines until being minimum, by focus trimpot on the transformer. By using cross-hatch of multi-burst test pattern.

WHITE BALANCE ADJUSTMENT

1. Apply Philips pattern.
2. Adjust VR53, VR55 are trimpots to middle position and VR51, VR52 and VR54 are trimpots to minimum.
3. Adjust brt, cont, col to min.
4. Adjust at lower grey bar of Philips pattern by screen trimpot that two bars should be seen.
5. Increase brt control little and adjust white balance by using VR51, VR52 and VR54 with eyes.
6. Apply white pattern. Settle screen probe of Minolta. Adjust Y=5nits with brightness.
7. Increase contrast adjust A=Y=270+276nits by means of VR53 and VR55.
8. Set contrast to minimum. Adjust X=Y=270+276 units at Y=5nits by means of VR51, VR52 and VR54.
9. Check white balance at high and low contrast level. Again make adjustment if it's necessary.

AFT ADJUSTMENT

1. Disconnect the IF output of tuner IF input.
2. Apply 39.5MHz signal with signal generator to IF input.
3. Connect a digital voltmeter to AFT pin of IC476.
4. Adjust T181 coil until the voltage of IC476 is being 2.5Vdc.
5. Connect the IF input which input is disconnected on the beginning.

NOTE : AFT adjustment will be done art 39.5MHz in PAL I chassis.

FTZT ADJUSTMENT

1. Disconnect the IF output of tuner from IF input.
2. Apply 30.9MHz signal with a signal generator.
3. Connect oscilloscope probe L151 by Q151 adjust signal at oscilloscope by T27 coil that the signal should be minimum level.
4. Apply 40.4MHz signal with a signal generator.
5. Connect oscilloscope probe L151 by Q151 adjust signal at oscilloscope by T26 coil that the signal should be minimum level.
6. Connect the IF input which is disconnected in the beginning.

MATSUI 1496R/T & 2096R/T

MANUAL NUMBER **665684**

COLOUR TELEVISION

SERVICING ADJUSTMENTS & ALIGNMENTS

RECOMMENDATION FOR SERVICE REPAIRS

1. Use only original spare parts. Only use components with the same specifications for replacement.
2. Original fuse value only should be used.
3. Mains leads and connecting leads should be checked for external damage before connection. Check the insulation.
4. Parts contributing to the safety of the product must not be damaged or obviously unsuitable. This is valid especially for insulators and insulating parts.
5. Thermally loaded solder pads are to be sucked off and re-soldered.
6. Ensure that the ventilation slots are not obstructed.
7. Potentials as high as 25KV are present when this receiver is operating. Operation of the receiver outside the cabinet or with back cover removed involve a shock hazard from the receiver. Servicing should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment.
   Perfectly discharge the high potential of the picture tube before handling the tube. The picture tube is highly evacuated and if broken.
   Glass fragments will be violently expelled.
   Always discharge the picture tube anode to the receiver chassis to keep of the shock hazard before removing the anode cap.
8. Keep wire away from the high voltage or high temperature components.
9. When replacing a wattage resistor in circuit board, keep the resistor 10mm away from the circuit board.

HANDLING OF MOST CHIP COMPONENTS

Most circuit requires special attention with rage to static charges. Static charges may occur with any highly insulating plastics and can be transferred to persons wearing clothes and shoes made of synthetic materials. Protective circuits on the inputs and outputs of most circuits gives protection to a limited extend only due to time of reaction.
Please observe the following instructions to protect the components against damage for static charges.

1. Keep most components in conductive package until they are used. Most components must never be stored in styropor materials or plastic magazines.
2. Persons have to rid themselves of electrostatic charges by touching most components.
3. Hold the component by the body touching the terminals.
4. Use only grounded instruments for testing and processing purposes.
5. Remove or connect most IC's when operating voltage is disconnected.

X-RAY RADIATION PRECAUTION

1. Excessive high voltage can be produce potentially hazardous X-RAY radiation. To avoid such hazard the high voltage must not be above the specified unit. The nominal value of the high voltage of this receiver is 25KV at zero beam current (minimum brightness) under 220V AC power source. The high voltage must not under any circumstance, exceed 30KV. It is recommended the reading of the high voltage be recorded as a part of the service record. It is important to use an accurate and reliable high voltage meter.
2. The primary source of X-RAY radiation on this TV receiver is the picture tube. For continued X-RAY radiation protection, the replacement tube must be exactly the same type tube as specified in the parts list.

COLOUR TELEVISION

REMOVAL OF CHILD LOCK

There is a situation that can occur whereby the consumer may have entered a PASS code number and then lost their record, or accidently input a random code number. Should either situation occur, the TV will remain in the PASS mode and will not allow access to these channels. There is not a procedure within the instruction book to override this situation.

To remove the PASS (child lock) code number will require a modification to a remote control. Please note DO NOT modify consumers remote.

1. Remove philips securing screw on the rear case of the remote control.

2. Remove rear case be sliding it towards the battery compartment.

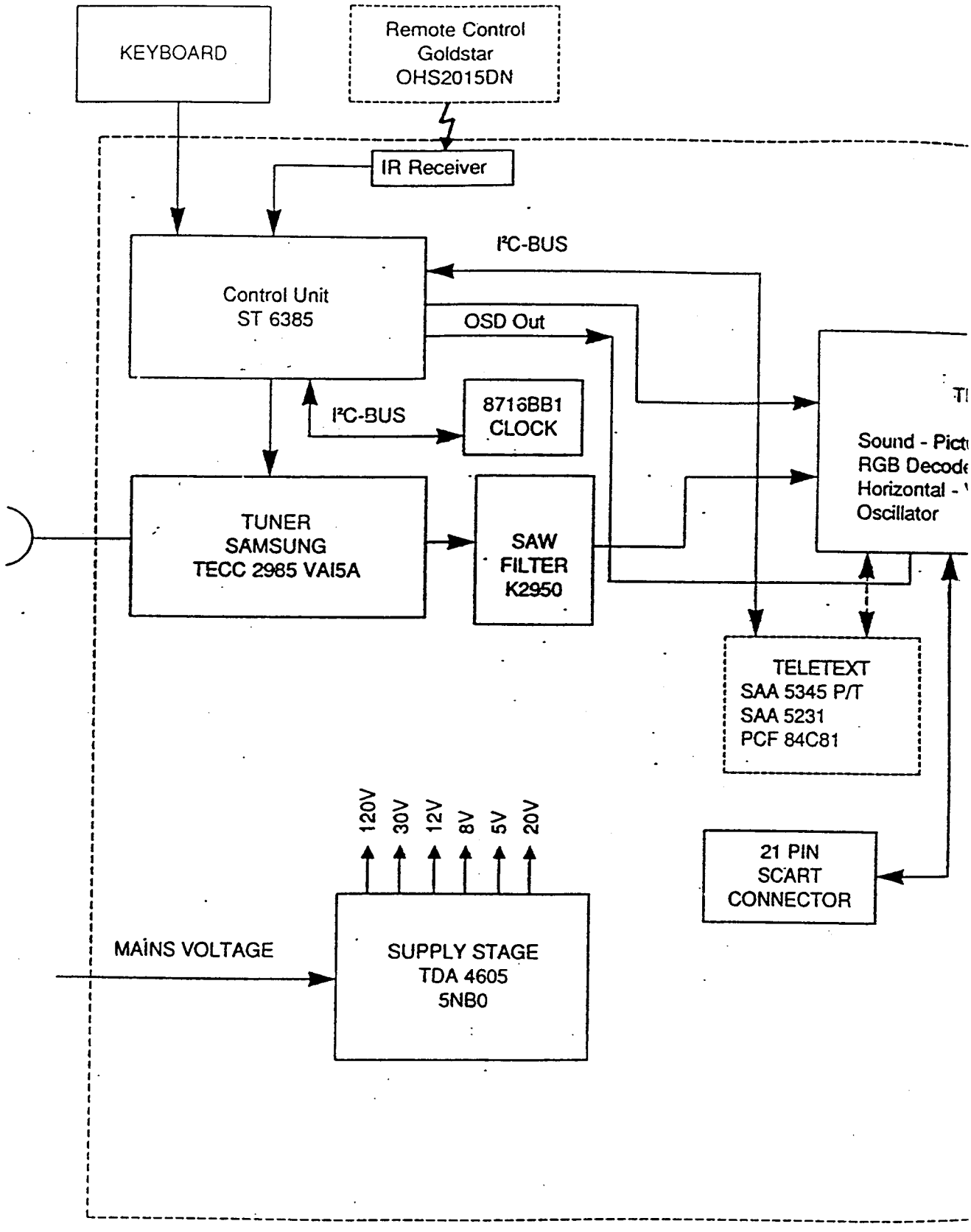
3. Remove PCB and connect a tact switch (type used in most own brand VCR) between pin 4 and pin 17 of IC1. When the TV is switched on via the remote control and a channel selected which has a PASS code number (child lock) will allow access approx. 1 second after pressing the tact switch once. The pass channel will clear and the picture will return.

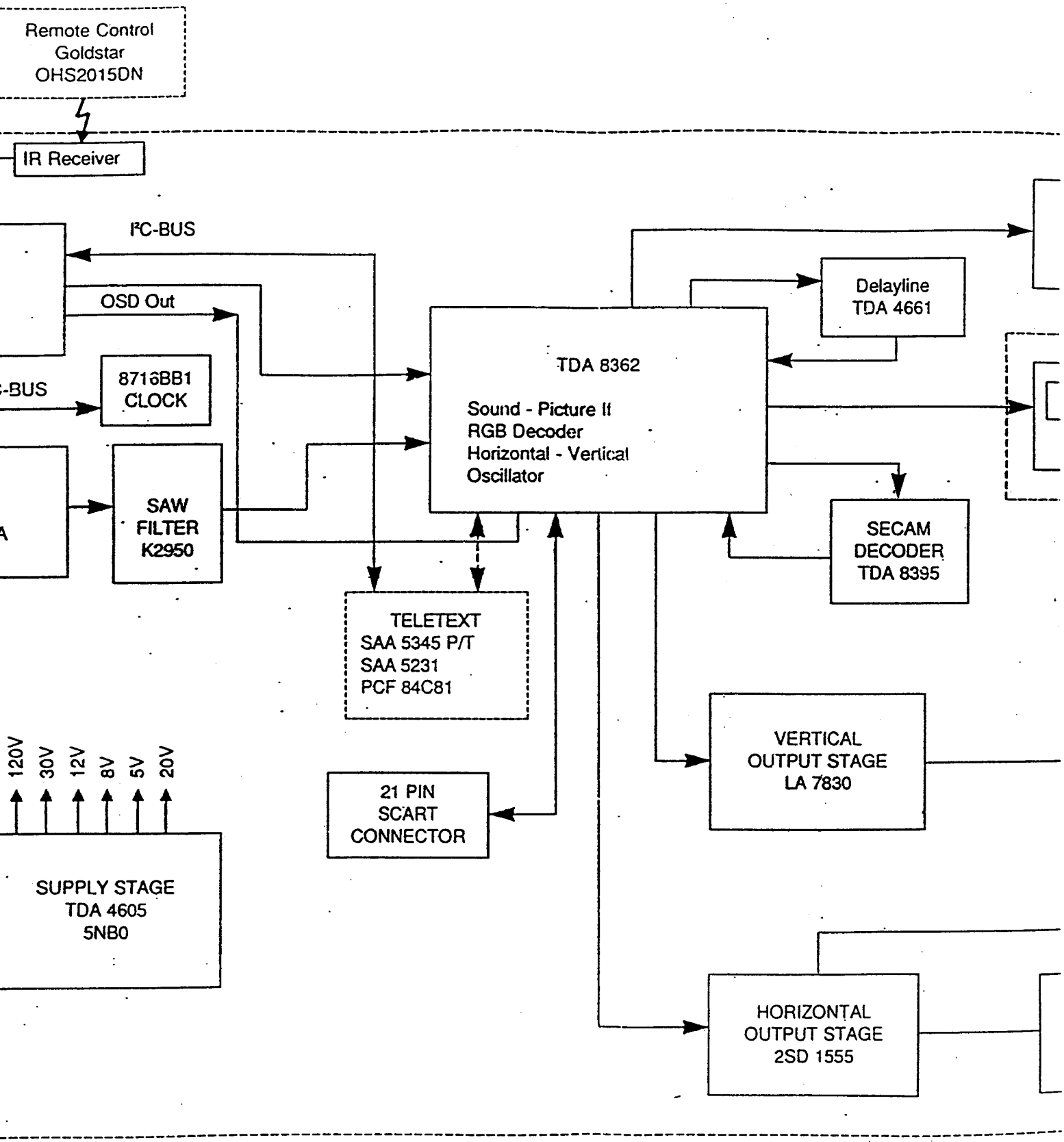
4. To remove child lock permanently press tact switch again, a message "PASS CLEAR" will appear on screen.

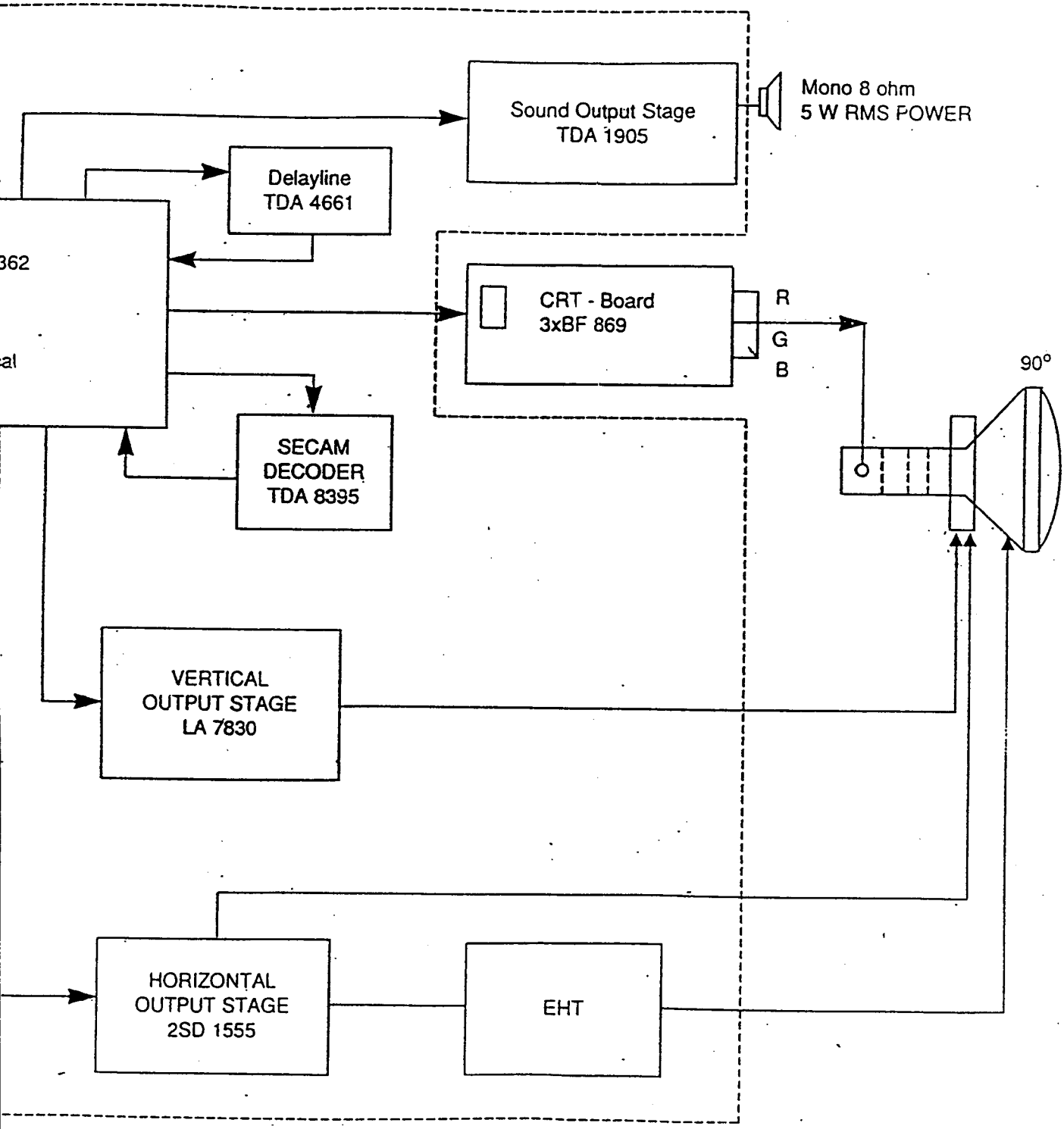
MATSUI 1496R/T & 2096R/T

COLOUR TELEVISION

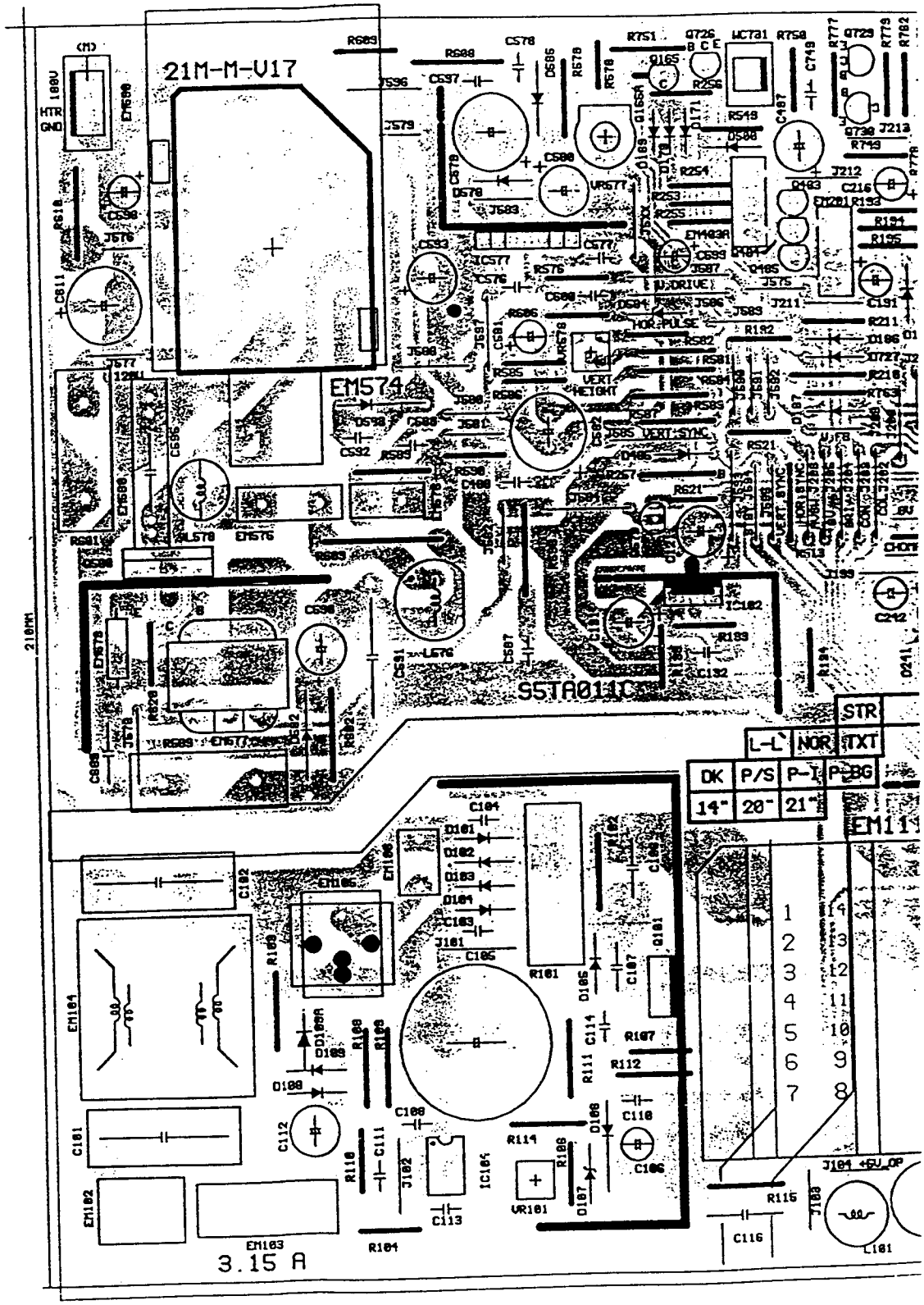
BLOCK DIAGRAM

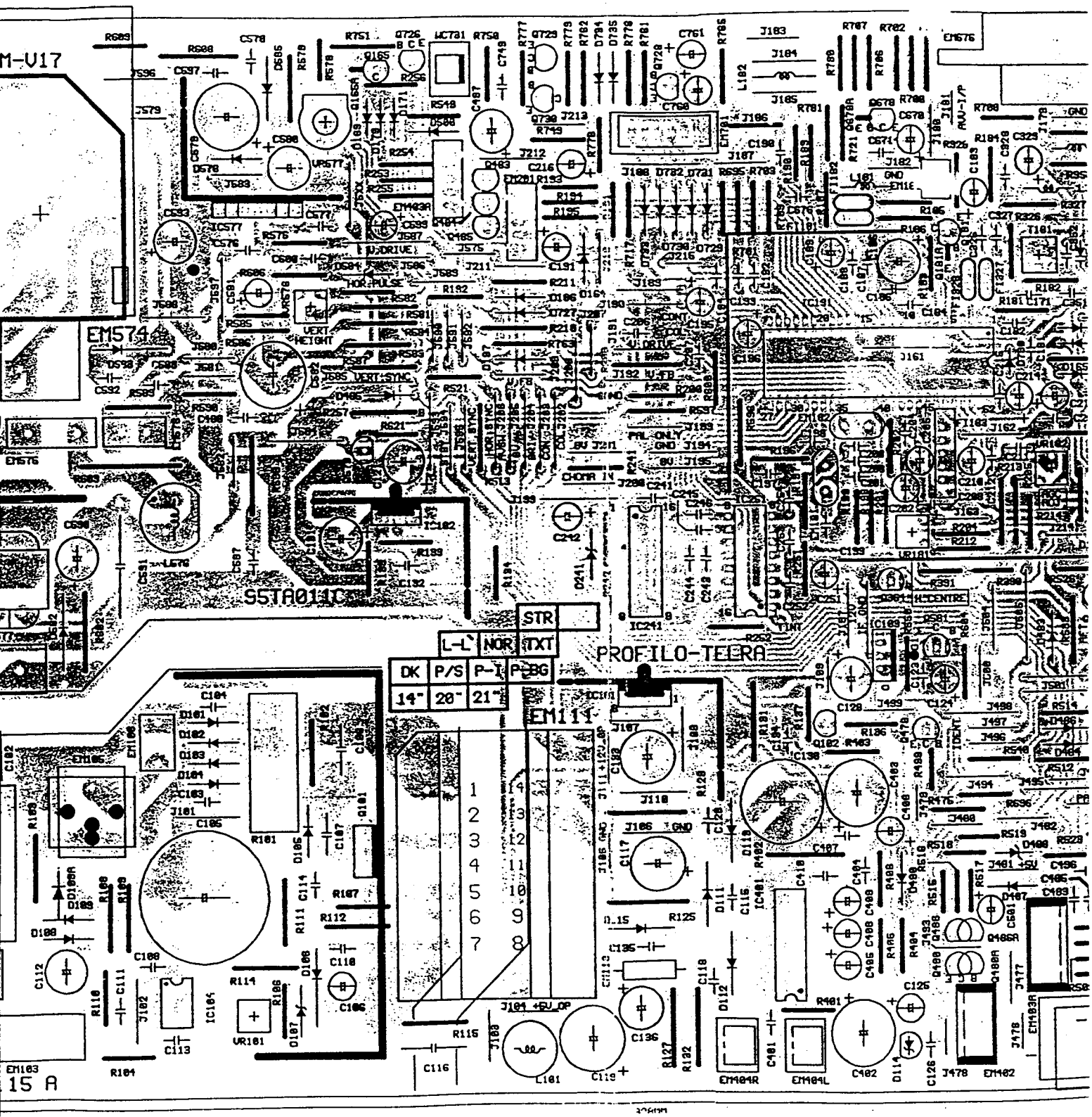



Remote Control
Goldstar
OHS2015DN
IR Receiver
I²C-BUS
OSD Out
8716BB1
CLOCK
SAW
FILTER
K2950
TDA 8362
Sound - Picture II
RGB Decoder
Horizontal - Vertical
Oscillator
Delayline
TDA 4661
SECAM
DECODER
TDA 8395
TELETEXT
SAA 5345 P/T
SAA 5231
PCF 84C81
VERTICAL
OUTPUT STAGE
LA 7830
21 PIN
SCART
CONNECTOR
120V
30V
12V
8V
5V
20V
SUPPLY STAGE
TDA 4605
5NB0
HORIZONTAL
OUTPUT STAGE
2SD 1555


Sound Output Stage
TDA 1905
Mono 8 ohm
5 W RMS POWER
Delayline
TDA 4661
362
al
CRT - Board
3xBF 869
R
G
B
90°
SECAM
DECODER
TDA 8395
VERTICAL
OUTPUT STAGE
LA 7830
HORIZONTAL
OUTPUT STAGE
2SD 1555
EHT

665684 MANUAL NUMBER

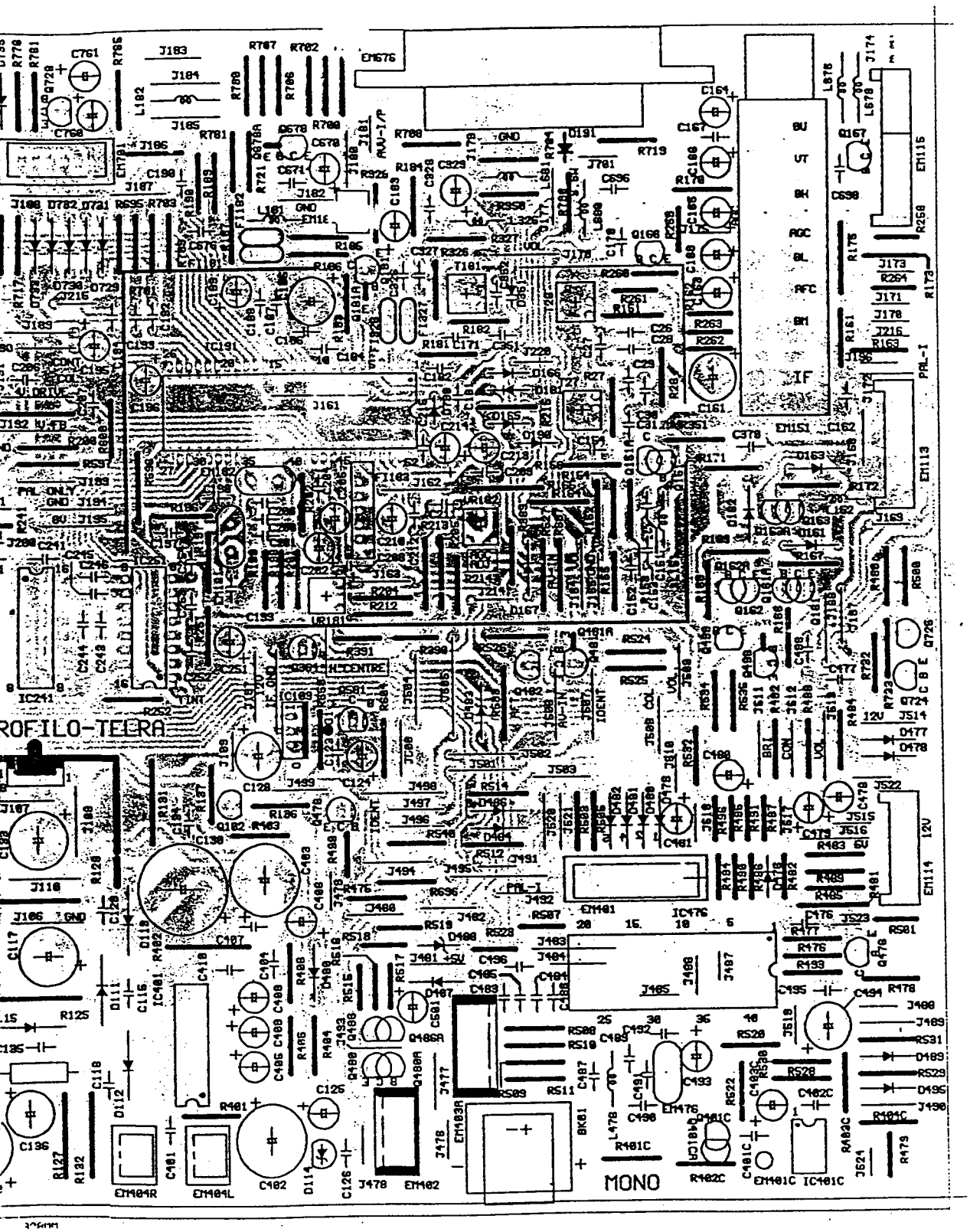



EM574
S5TA011C
PROFILO-TELERA
STR
L-L'
NOR
TXT
DK
P/S
P-I
P-BG
14"
20"
21"
EM111
EM163
15 A

MATSUI 1496R/T & 2096 R/T

COLOUR TELEVISION

PCB LAYOUT - MAIN



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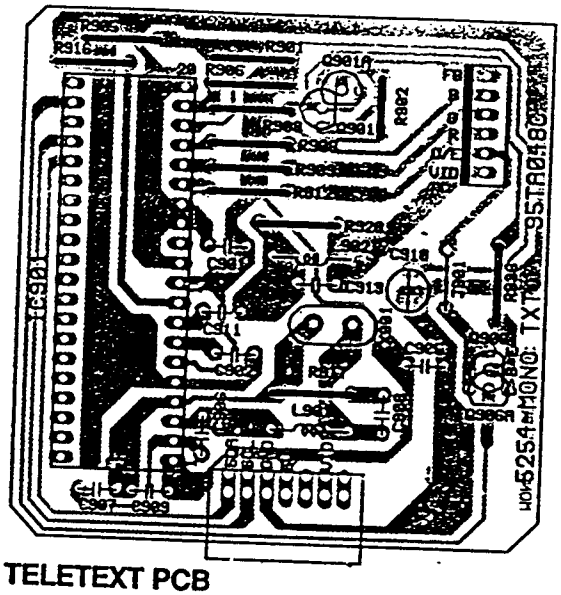
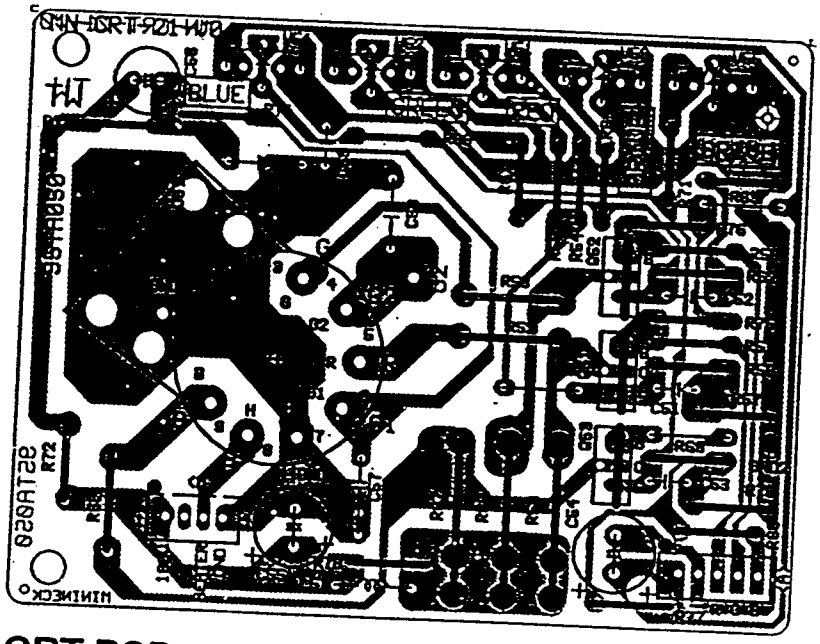
PCB LAYOUT - TELETEXT & CRT PCB's

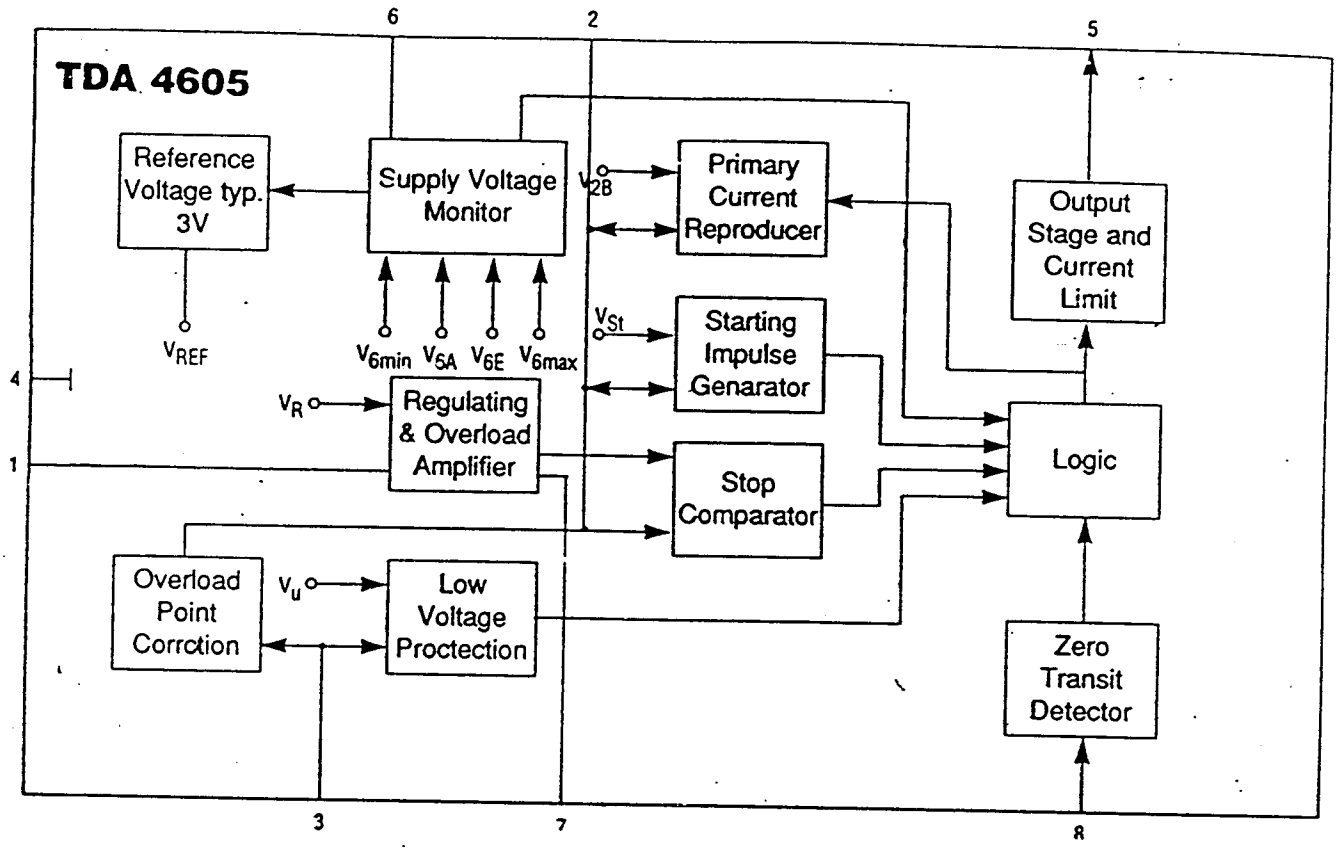


TELETEXT PCB



CRT PCB

INTERNAL BLOCK DIAGRAM



LM317

LINEAR INTEGRTED CIRCUIT

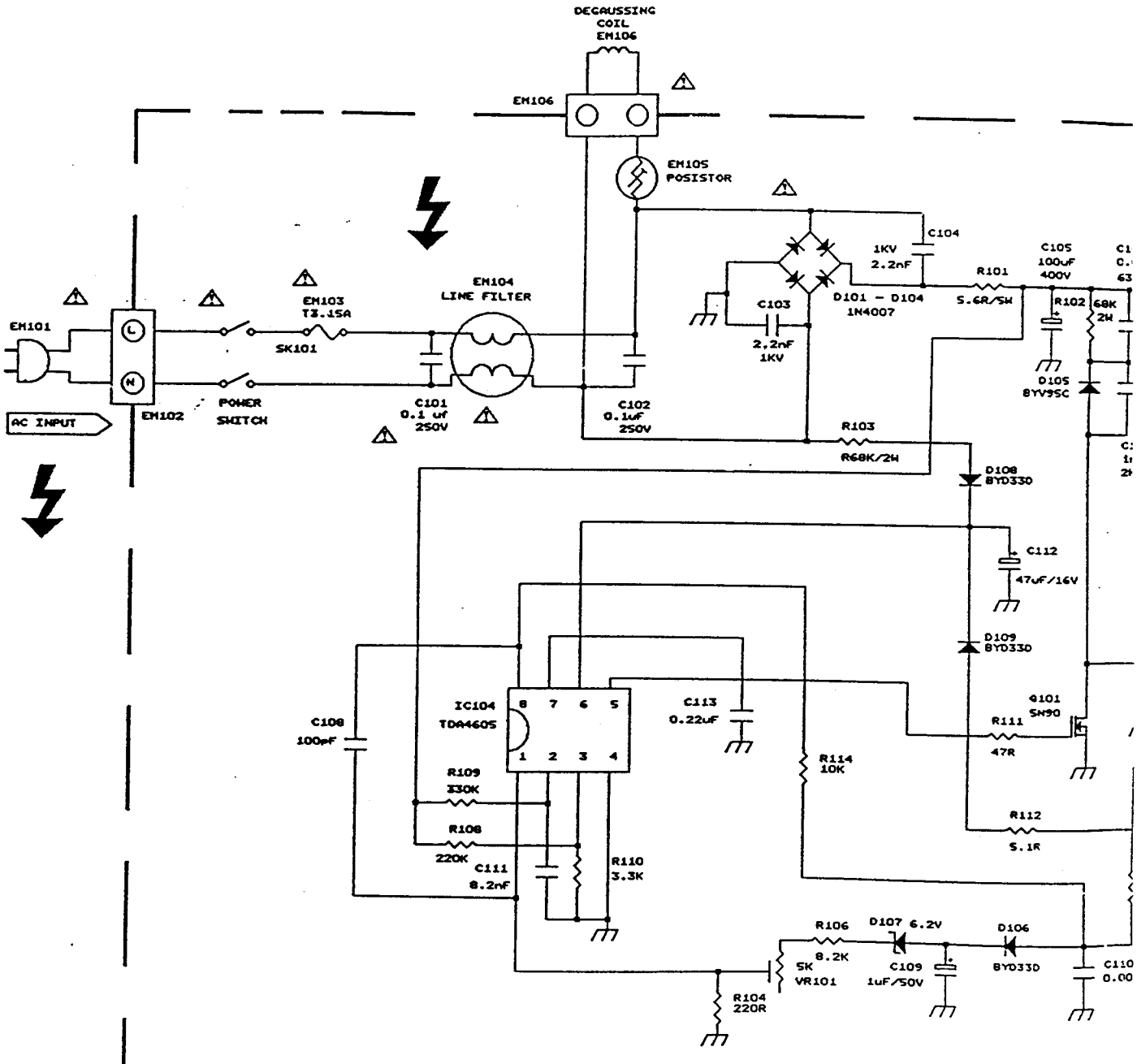
3,TERMINAL POSITIVE ADJUSTABLE REGULATOR

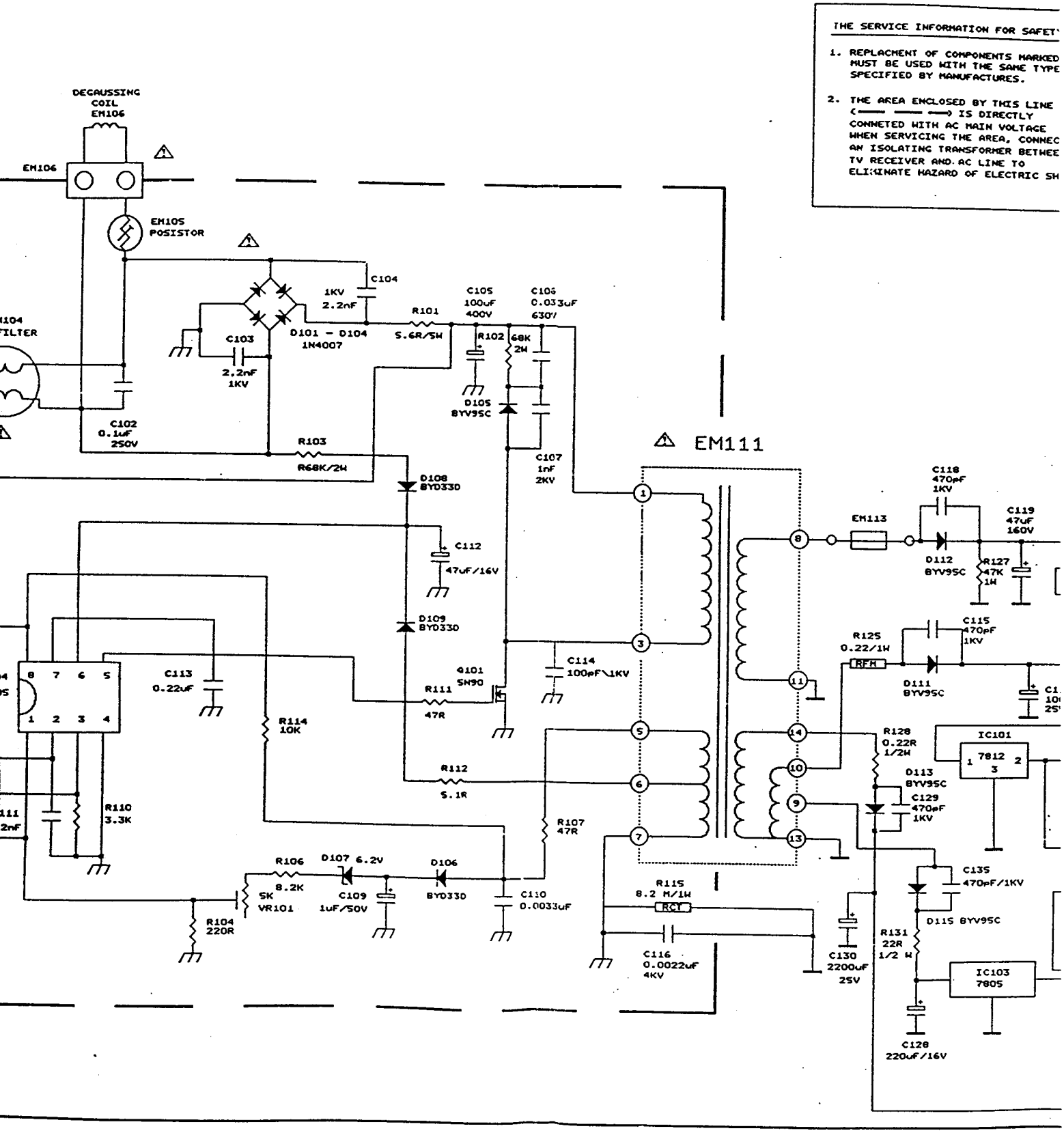
The LM317 is a 3-terminal adjustale positive voltage regulator capable of supplying in excess of 1.5A over an output voltage range of 1.2V to37V. This voltage regulator is exceptionally easy to use and requires only two external resistors to set the output voltage. Further, it employs internal current-limiting, thermal-shutdown and safe area compensation, making it essentially blow-out proof. The LM317 serves a wide variety of applications including local, on card regulation. This device also makes an especially simple adjustable switching regulator, and a programmable output regulator, or by connecting a fixed resistor between the adjustment and output, the LM317 can be used as a precision current regulator.

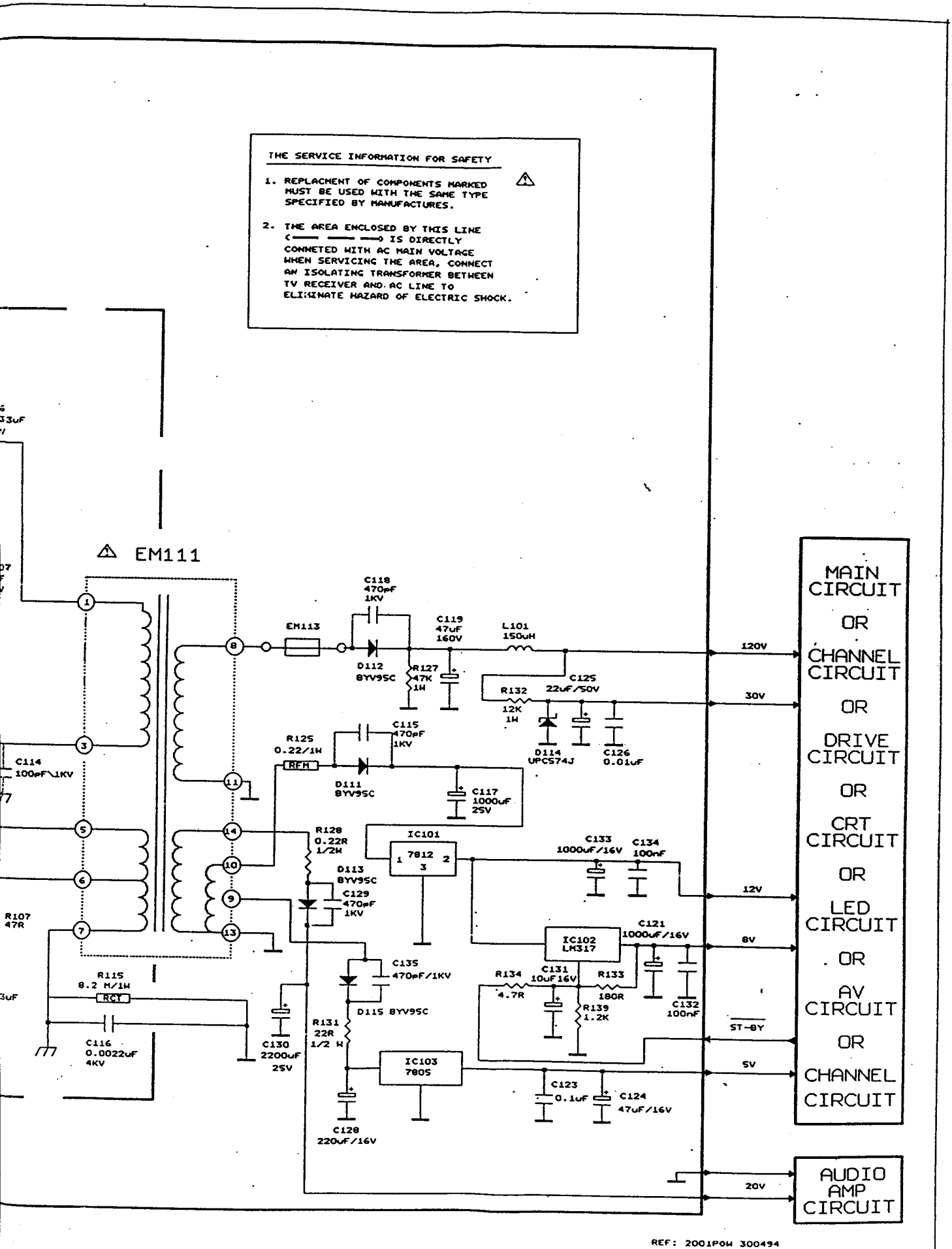
MATSUI 1496R/T & 2096R/T

COLOUR TELEVISION

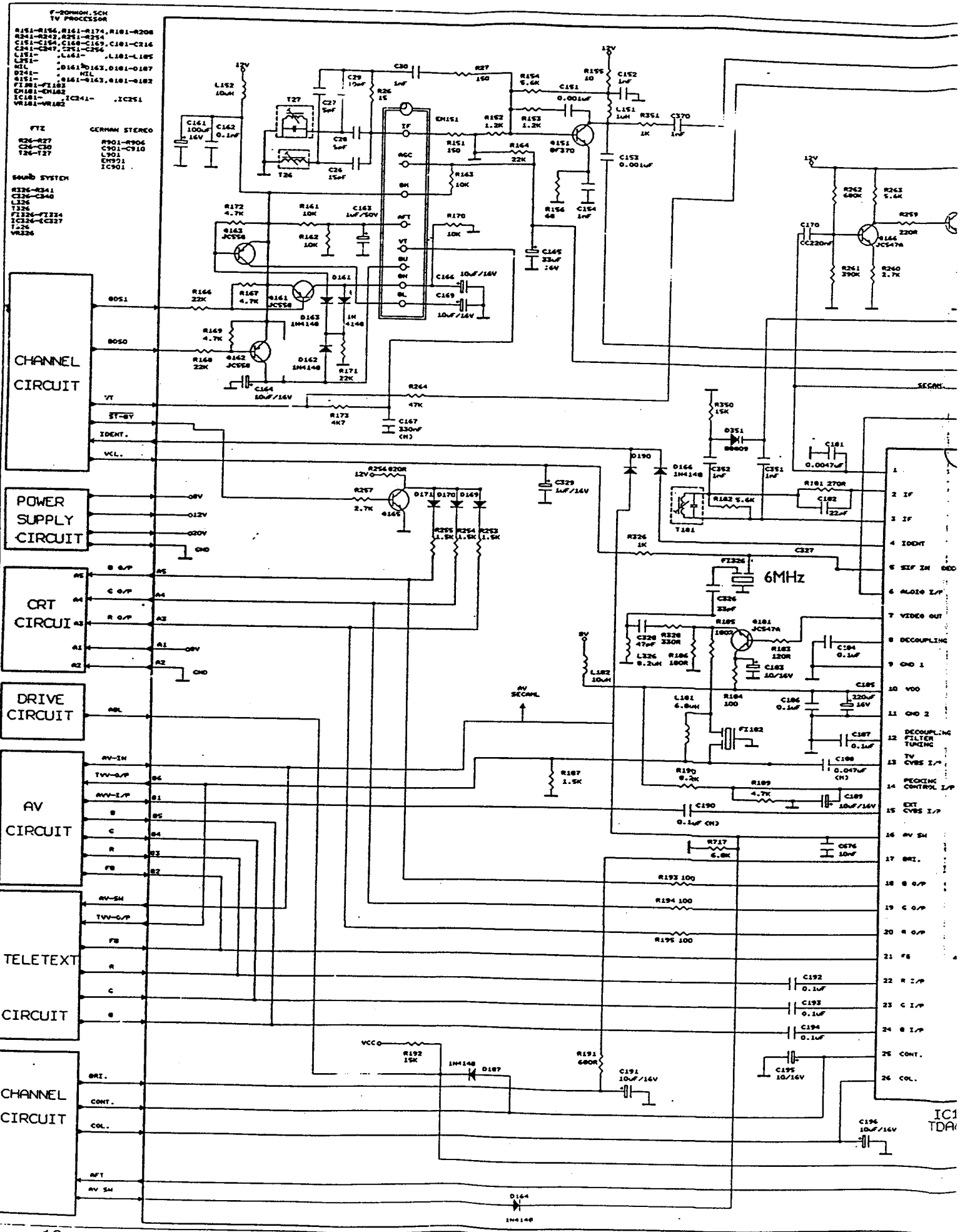
POWER SCHEMATIC DIAGRAM

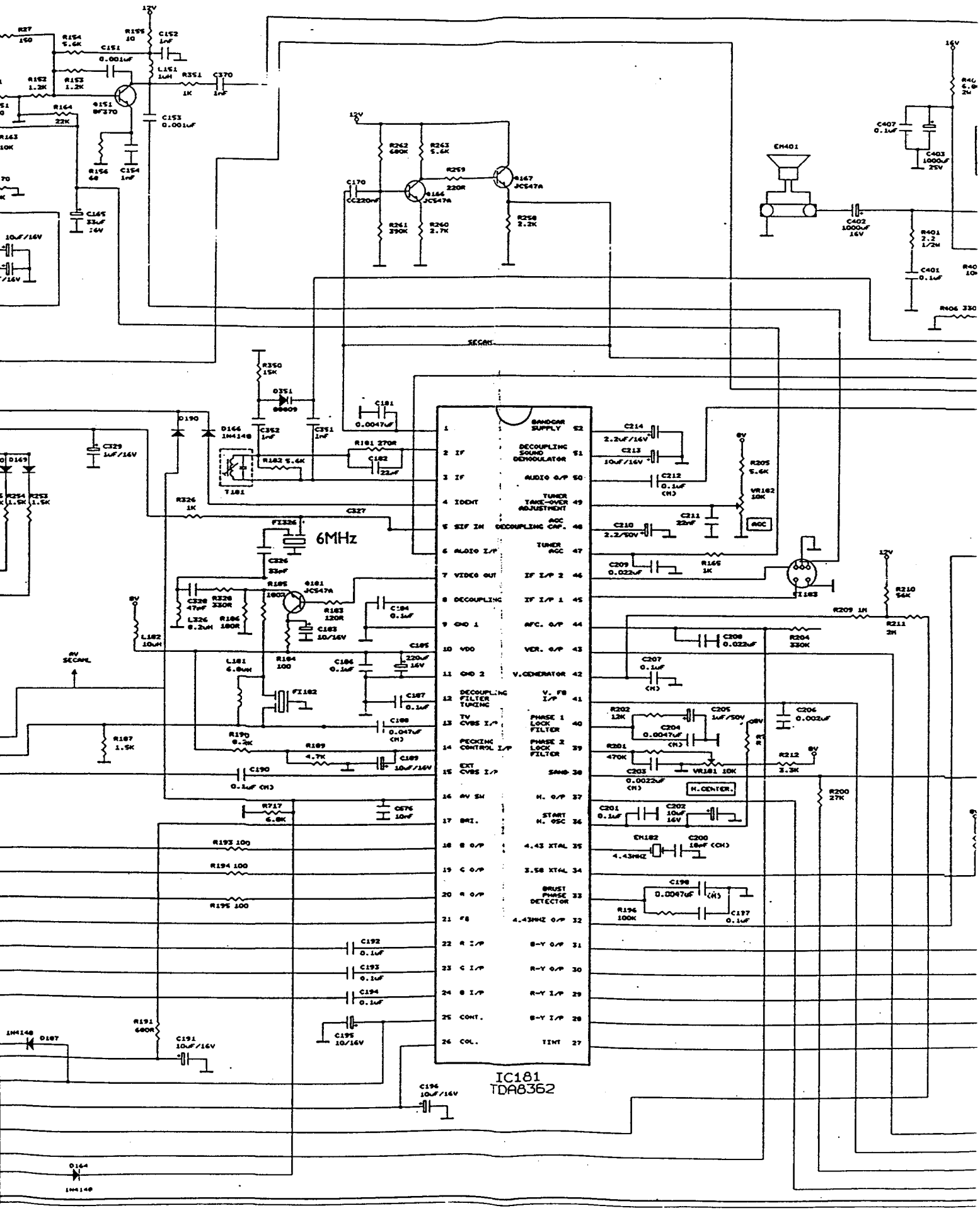



THE SERVICE INFORMATION FOR SAFET
1. REPLACMENT OF COMPONENTS MARKED MUST BE USED WITH THE SAME TYPE SPECIFIED BY MANUFACTURES.
2. THE AREA ENCLOSED BY THIS LINE IS DIRECTLY CONNETED WITH AC MAIN VOLTAGE WHEN SERVICING THE AREA, CONNEC AN ISOLATING TRANSFORMER BETWEE TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SH
DEGAUSSING COIL EM106
EM106
EM105 POSISTOR
C104 1KV 2.2nF
C103 2.2nF 1KV
D101 - D104 1N4007
R101 5.6R/5W
C105 100uF 400V
C106 0.033uF 630V
R102 68K 2W
D105 BYV95C
C107 1nF 2KV
C102 0.1uF 250V
R103 R68K/2W
EM111
D108 BYD330
D109 BYD330
C112 47uF/16V
C113 0.22uF
Q101 SN90
R111 47R
C114 100pF\1KV
R114 10K
R112 5.1R
R110 3.3K
R107 47R
R106 8.2K
D107 6.2V
D106 BYD330
5K VR101
C109 1uF/50V
C110 0.0033uF
R104 220R
R115 8.2 M/1W RCT
C116 0.0022uF 4KV
C130 2200uF 25V
C118 470pF 1KV
EM113
C119 47uF 160V
D112 BYV95C
R127 47K 1W
C115 470pF 1KV
R125 0.22/1W RFH
D111 BYV95C
R128 0.22R 1/2W
IC101 7812
D113 BYV95C
C129 470pF 1KV
C135 470pF/1KV
D115 BYV95C
R131 22R 1/2 W
IC103 7805
C128 220uF/16V


THE SERVICE INFORMATION FOR SAFETY
1. REPLACMENT OF COMPONENTS MARKED MUST BE USED WITH THE SAME TYPE SPECIFIED BY MANUFACTURES.
2. THE AREA ENCLOSED BY THIS LINE IS DIRECTLY CONNETED WITH AC MAIN VOLTAGE WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.
EM111
EM113
C118 470pF 1KV
C119 47uF 160V
L101 150uH
D112 8YV95C
R127 47K 1W
R132 12K 1W
C125 22uF/50V
D114 UPC574J
C126 0.01uF
C115 470pF 1KV
R125 0.22/1W
RFM
D111 8YV95C
C117 1000uF 25V
C114 100pF\1KV
R128 0.22R 1/2W
D113 8YV95C
C129 470pF 1KV
IC101 7812
C133 1000uF/16V
C134 100nF
R107 47R
C121 1000uF/16V
IC102 LM317
R115 8.2 M/1W
RCY
C135 470pF/1KV
D115 8YV95C
R131 22R 1/2 W
C130 2200uF 25V
C116 0.0022uF 4KV
R134 4.7R
C131 10uF 16V
R133 180R
R139 1.2K
C132 100nF
IC103 7805
C123 0.1uF
C124 47uF/16V
C128 220uF/16V
120V
30V
12V
8V
ST-BY
5V
20V
MAIN CIRCUIT OR CHANNEL CIRCUIT OR DRIVE CIRCUIT OR CRT CIRCUIT OR LED CIRCUIT OR AV CIRCUIT OR CHANNEL CIRCUIT
AUDIO AMP CIRCUIT
REF: 2001P0W 300494

665684 MANUAL NUMBER

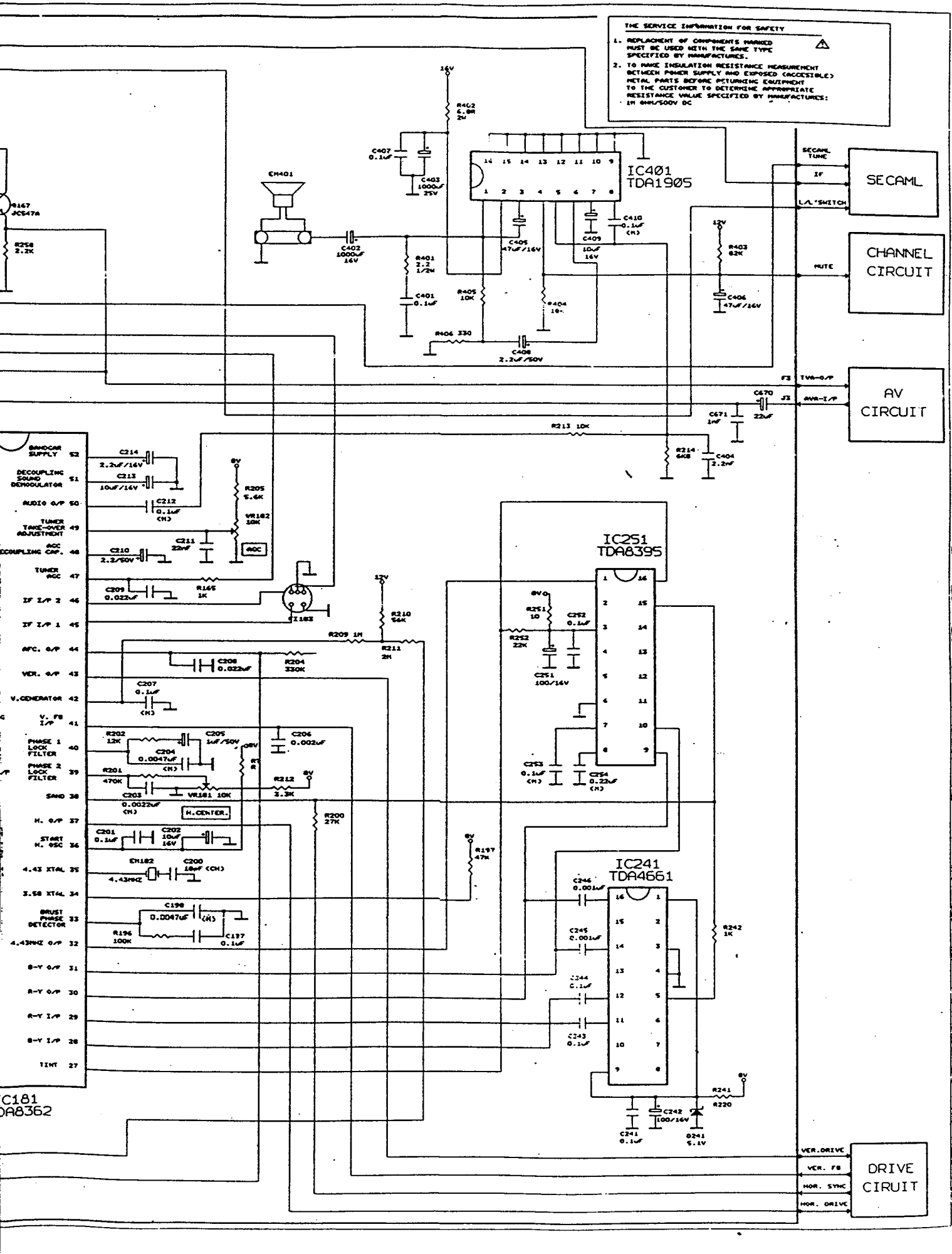



IC181
TDA8362
6MHz
SECAM
AGC
H.CENTER.
BANDGAP SUPPLY
DECOUPLING SOUND DEMODULATOR
AUDIO O/P
TUNER TAKE-OVER ADJUSTMENT
AGC DECOUPLING CAP.
TUNER AGC
IF I/P 2
IF I/P 1
AFC. O/P
VER. O/P
V.GENERATOR
V. FB I/P
PHASE 1 LOCK FILTER
PHASE 2 LOCK FILTER
SAND
H. O/P
START H. OSC
4.43 XTAL
3.58 XTAL
BRUST PHASE DETECTOR
4.43MHZ O/P
B-Y O/P
R-Y O/P
R-Y I/P
B-Y I/P
TINT
IF
DECOUPLING FILTER TUNING
TV CVBS I/P
PEDKING CONTROL I/P
EXT CVBS I/P
4V SW
BRI.
R I/P
G I/P
B I/P
CONT.
COL.

MATSUI 1496R/T & 2096 R/T

COLOUR TELEVISION

MAIN SCHEMATIC DIAGRAM



MATSUI 1496R/T & 2096R/T

COLOUR TELEVISION

IC INTERNAL BLOCK DIAGRAMS & CHARTS

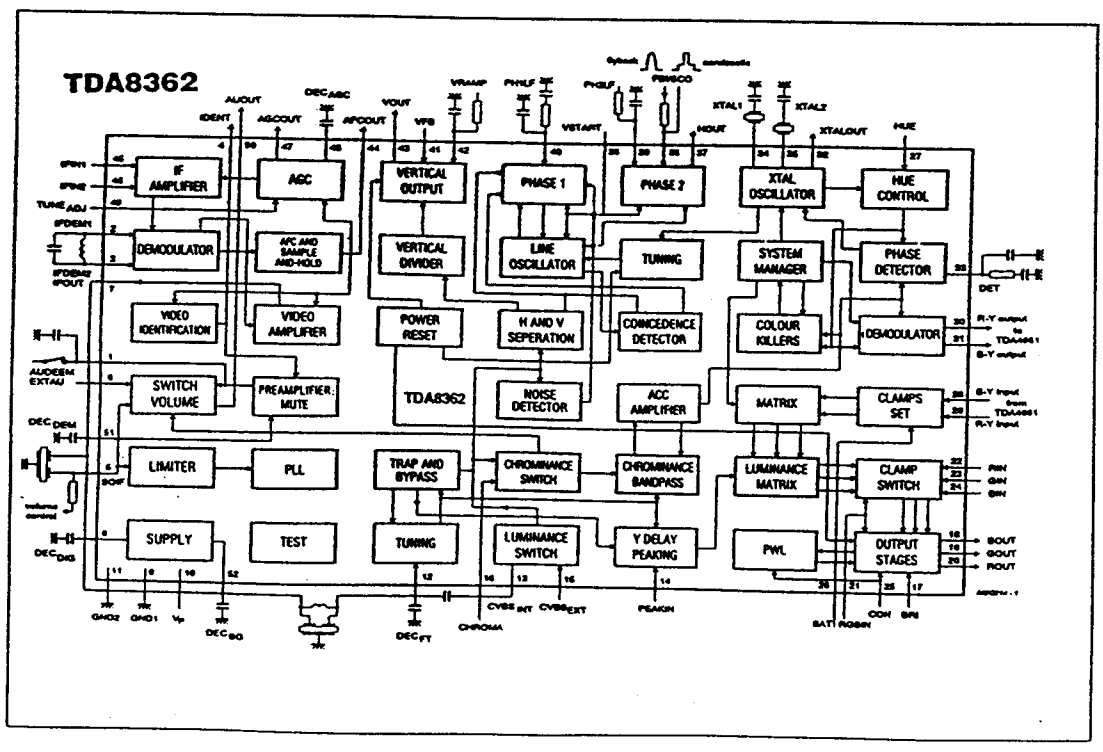
Pin.	TDA8361	ST63T85	TDA4661	TDA1905	TA8403	TDA4605	LM317
1	2.9V	3.9V(Varicap)	5.1V	10.2V	0V	0.4V	10.7V
2	5.8V	0.25V	0V	19.7V	14.6V	1.18V	11.9V
3	5.8V	4.8V	0V	18.27V	25.2V	2.9V	16.9V
4	6.9V	2.3V	0V	1.8V	0.9V	0V	
5	0.5V	2.2V	0.4V	0V	0.8V	3V	
6	3.8V	5V	3.3V	3.8V	25V	13.1V	
7	3V	5V	1V	3.8V	1.35V	1.9V	
8	1.8V	5V	0V	3.7V		0.4V	
9	0V	2.8V(AFT)	5.1V	0V			
10	8V	5V	0V	0V			
11	0V	5V	2.8V	0V			
12	2.8V	5V	2.8V	0V			
13	4V	5V	0V	0V			
14	2.9V	5V	1.2V	0V			
15	3.4V	5V	0V	0V			
16	0V	0V	1.2V	0V			
17	2.5V	5V					
18	1.8V	0V					
19	1.8V	4.5V					
20	2.4V	4.3V					
21	0.2V	0V					
22	3.2V	0V					
23	3.3V	0V					
24	3.3V	0V					
25	2.5V	0V					
26	1.8V	0.6V					
27	5.2V	0.1V					
28	3.8V	5V					
29	3.9V	5V					
30	1.5V	0V					
31	1.4V	1.9V					
32	0.03V	2.6V					
33	4.7V	4.8V					
34	2.5V	0V					
35	2V	5V					
36	7.9V	0.5V					
37	0.4V	0V					
38	0.4V	5V					
39	3.3V	5V					
40	3.7V	5V					
41	2.3V	4.7V					
42	2.8V	5V					
43	0.9V						
44	4.3V						
45	4V						
46	4V						
47	6.5V						
48	3.6V						
49	0.9V						
50	3.4V						
51	4.3V						
52	6.5V						

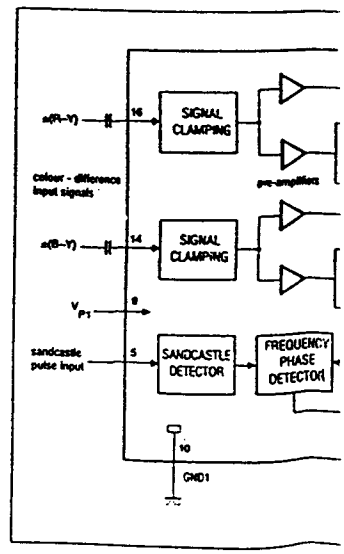
* All voltages are in volt
* reading are taken with a digital multimeter.
* Reading are taken with a colour-bar signal input

* Sound min.
Contrast
Brightness } normal
Color

PINNING

SYMBOL	PIN	DESCRIPTION
AUDEEM	1	audio de-emphasis
IFDEM1	2	IF demodulator tuned circuit
IFDEM2	3	IF demodulator tuned circuit
IDENT	4	video identification output
SOIF	5	sound IF input and volume control
EXTAU	6	external audio input
IFVO	7	IF video output
DEC_{DIG}	8	decoupling digital supply
GND1	9	ground 1
V_P	10	positive supply voltage (+8V)
GND2	11	ground 2
DEC_{FT}	12	decoupling filter tuning
$CVBS_{INT}$	13	internal CVBS input
PEAKIN	14	peaking control input
$CVBS_{EXT}$	15	external CVBS input
CHAOMA	16	chrominance and A/V switch input
BRI	17	brightness control input
BO	18	blue output
GO	19	green output
RO	20	red output
RGBIN	21	RGB insertion and blanking input
RI	22	red output
GI	23	green output
BI	24	blue output
CON	25	contrast control input
SAT	26	saturation control input
HUE	27	hue control input for chrominance outputs
BYI	28	B-Y input signal
RYI	29	R-Y input signal
RYO	30	R-Y output signal
BYO	31	B-Y output signal
XTALOUT	32	4.43 MHz output for TDA8395
DET	33	loop filter burst phase detector
XTAL1	34	3.58 MHz XTAL connection
XTAL2	35	4.43 MHz XTAL connection
HOSC	36	start horizontal oscillator
HOUT	37	horizontal output
FBI/SCO	38	flyback input/sandcastle output
PH2LF	39	phase 2 loop filter
PH1LF	40	phase 1 loop filter
VFB	41	vertical feedback input
VRAMP	42	vertical ramp generator
VOUT	43	vertical output
AFCOUT	44	AFC output
IFIN1	45	IF input 1
IFIN2	46	IF input 2
AGCOUT	47	tuner AGC output
DEC_{AGC}	48	AGC decoupling capacitor
$TUNE_{ADJ}$	49	tuner take-over adjustment
AUOUT	50	audio output
DEC_{DEM}	51	decoupling sound demodulator
DEC_{BG}	52	decoupling bandgap supply





/T

S & CHARTS

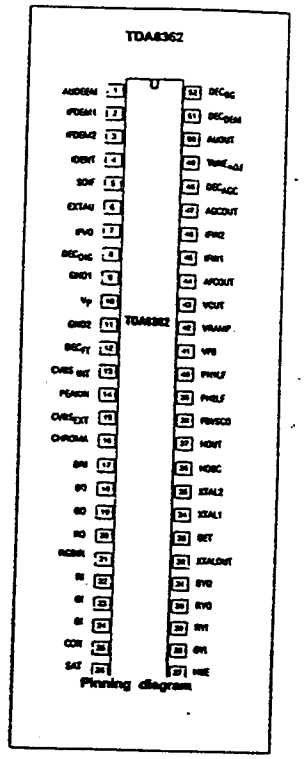
403	TDA4605	LM317
	0.4V	10.7V
V	1.18V	11.9V
V	2.9V	16.9V
	0V	
	3V	
	13.1V	
V	1.9V	
	0.4V	

min.

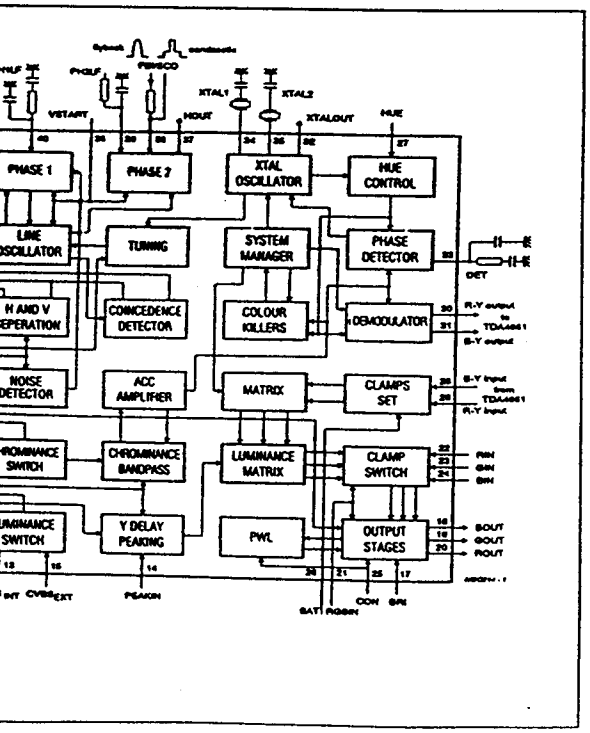
} normal

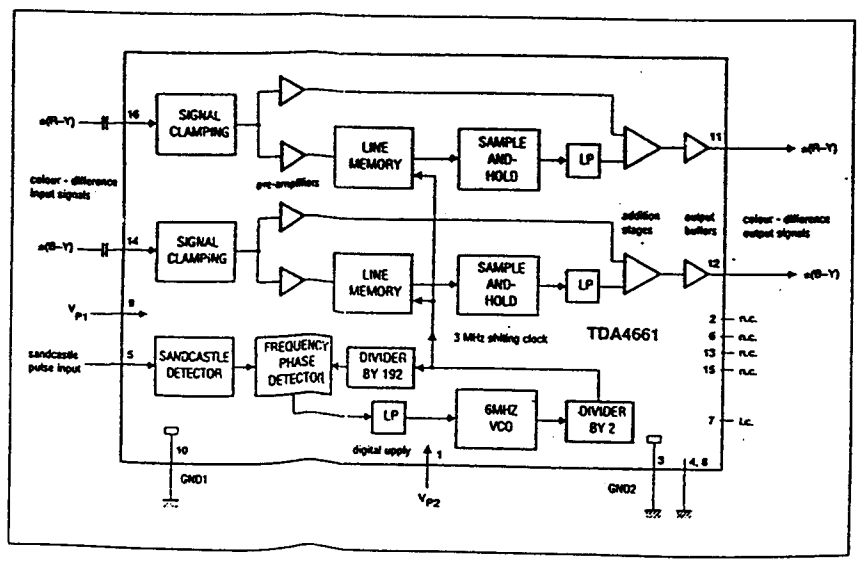
PINNING

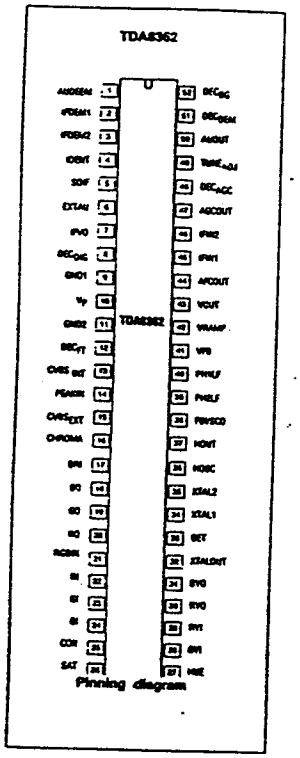
SYMBOL	PIN	DESCRIPTION
AUDEEM	1	audio de-emphasis
IFDEM1	2	IF demodulator tuned circuit
IFDEM2	3	IF demodulator tuned circuit
IDENT	4	video identification output
SOIF	5	sound IF input and volume control
EXTAU	6	external audio input
IFVO	7	IF video output
DEC_{DIG}	8	decoupling digital supply
GND1	9	ground 1
V_P	10	positive supply voltage (+8V)
GND2	11	ground 2
DEC_{FT}	12	decoupling filter tuning
$CVBS_{INT}$	13	internal CVBS input
PEAKIN	14	peaking control input
$CVBS_{EXT}$	15	external CVBS input
CHROMA	16	chrominance and A/V switch input
BRI	17	brightness control input
BO	18	blue output
GO	19	green output
RO	20	red output
RGBIN	21	RGB insertion and blanking input
RI	22	red input
GI	23	green input
BI	24	blue input
CON	25	contrast control input
SAT	26	saturation control input
HUE	27	hue control input (or chrominance auto.)
BYI	28	B-Y input signal
RYI	29	R-Y input signal
RYO	30	R-Y output signal
BYO	31	B-Y output signal
XTALOUT	32	4.43 MHz output for TDA8395
DET	33	loop filter burst phase detector
XTAL1	34	3.58 MHz XTAL connection
XTAL2	35	4.43 MHz XTAL connection
HOSC	36	start horizontal oscillator
HOUT	37	horizontal output
FBVSCO	38	flyback input/sandcastle output
PH2LF	39	phase 2 loop filter
PH1LF	40	phase 1 loop filter
VFB	41	vertical feedback input
VRAMP	42	vertical ramp generator
VOUT	43	vertical output
AFCOUT	44	AFC output
IFIN1	45	IF input 1
IFIN2	46	IF input 2
AGCOUT	47	tuner AGC output
DEC_{AGC}	48	AGC decoupling capacitor
$TUNE_{ADJ}$	49	tuner take-over adjustment
AUOUT	50	audio output
DEC_{DEM}	51	decoupling sound demodulator
DEC_{BG}	52	decoupling bandgap supply



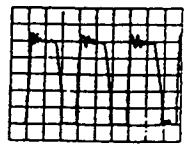
Pinning diagram





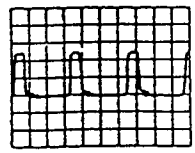


1) 5 usn/div 100 volt/div



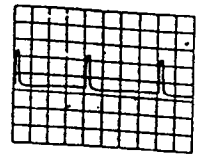
Collector of Q101

2) 20 usn/div 2volt/div



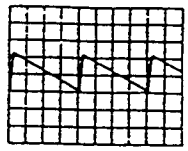
IC-476 pin 26

3) 5m sn/div 2volt/div



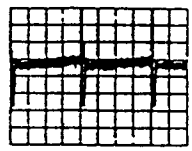
IC-476 pin 27

4) 5 msn/div 0,5 volt/div



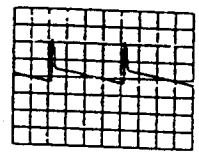
IC-181 pin 41

5) 5 msn/div 1 volt/div



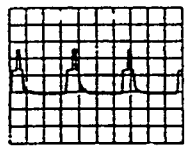
IC-577 pin 4

6) 5 msn/div 20 volt/div



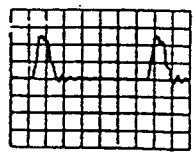
IC-577 pin 2

7) 20 usn/div 2 volt/div



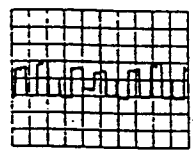
IC-181 pin 38

8) 10 usn/div 50 volt/div



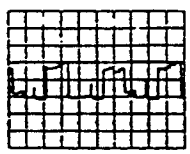
Cathode of D 584

9) 20 usn/div 2 volt/div



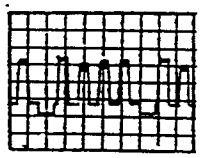
IC-181 pin 20

10) 20 usn/div 2 volt/div



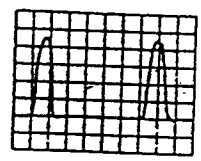
IC-181 pin 19

11) 10 usn/div 2volt/div



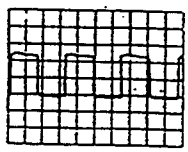
IC-181 pin 18

12) 10 usn/div 200 volt/div



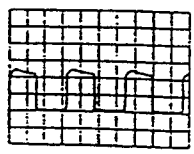
Collector of Q 580

13) 20 usn/div 0.5 volt/div



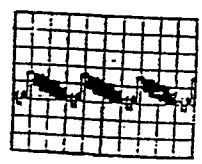
IC-181 pin 37

14) 20 usn/div 50 volt/div

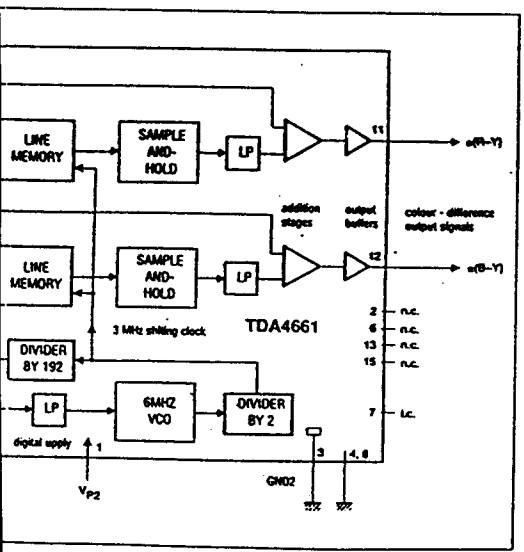


Collector of Q581

15) 20 usn/div 1 volt/div



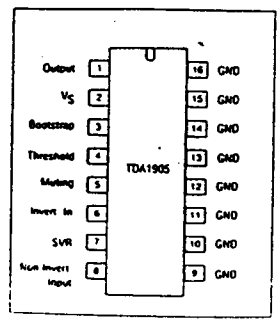
IC-181 pin 13



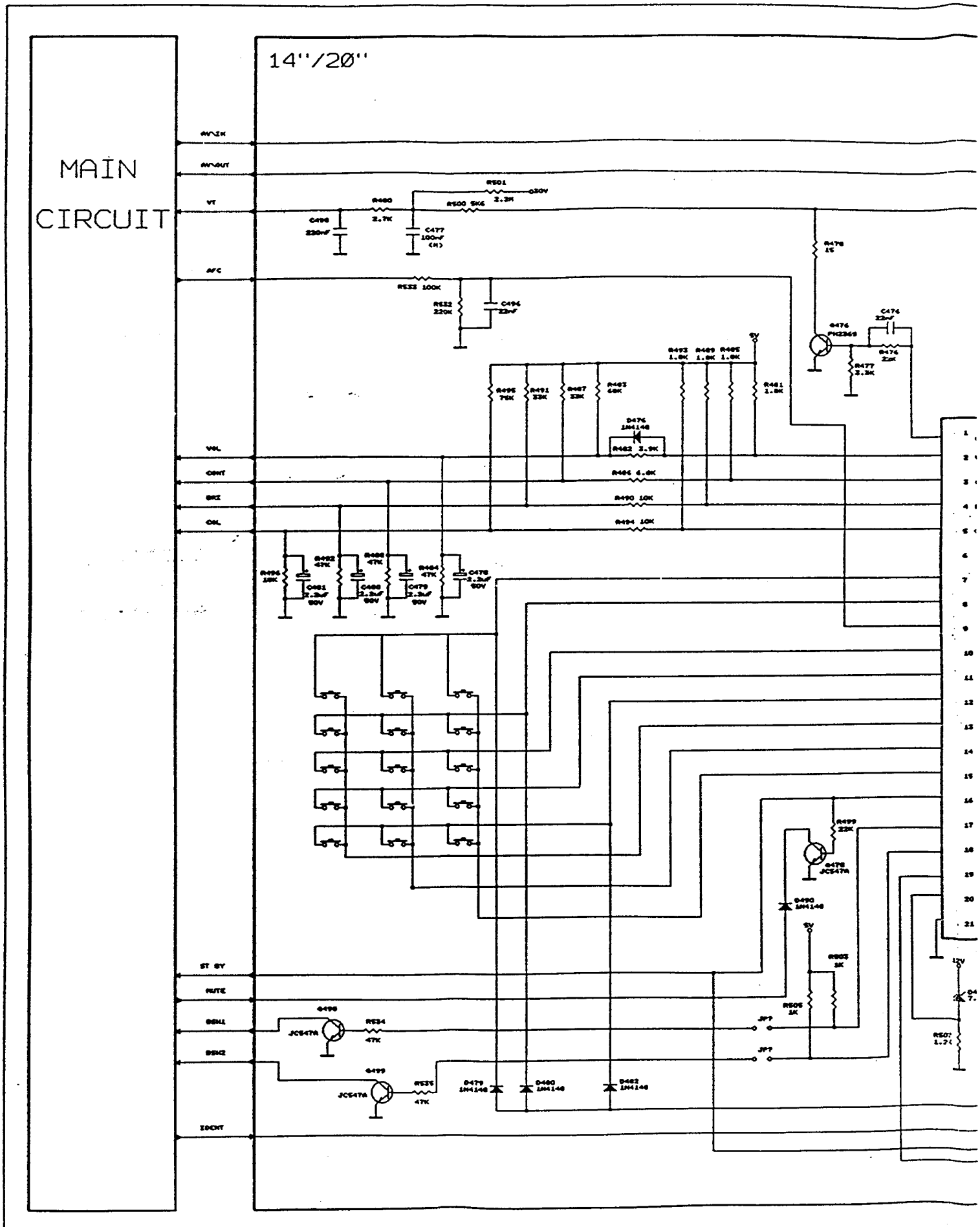
AF AMPLIFIER CIRCUIT

TDA 1905 is used as the amplifier element in SM-1 mono chassis.
This IC enclosed in a dual in-line envelope with 16 pins (all on one side) are connected with the internal copper frame so that, together with: a small copper heat sink plate. Good dissipation of waste heat is insured. The heat sink is immersion soldered together with the IC.
An internal, thermal overload circuit prevents damage due to overheating should there be a short at the load resistance. A frequency dependent degenerative feedback is realized with the components between pins 1 and 6. The low frequencies are thus boosted by about 4 db, rounding out the sound. The bootstrap condensor C 405 improves efficiency by elevating the voltage in the driver stage, which at the same time means higher performance. C 409 serves to suppres hum.

CONNECTION DIAGRAM
(Top view)

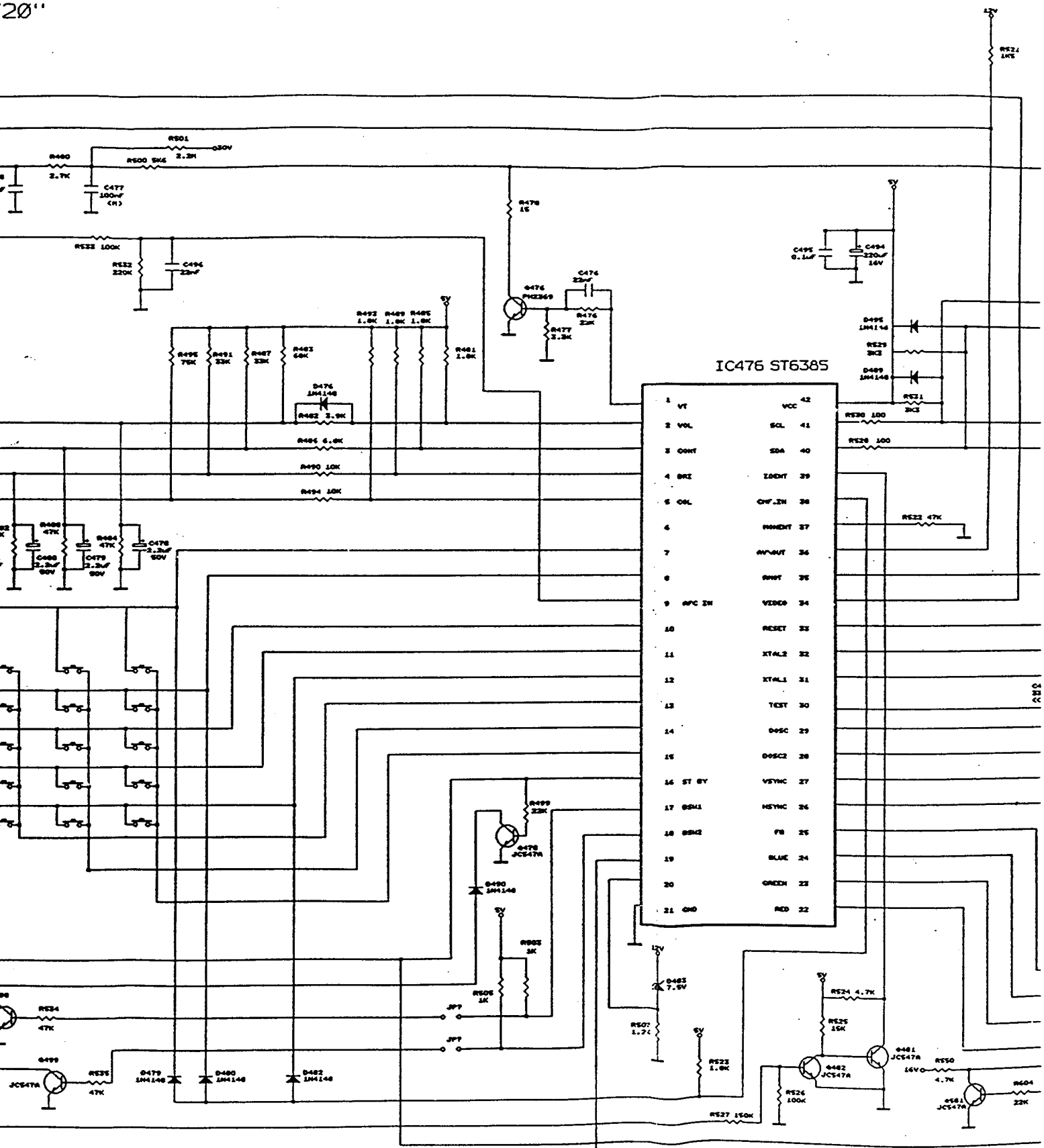


665684 MANUAL NUMBER



MBER

20"


IC476 ST6385
1 VT
2 VOL
3 CONT
4 BRI
5 COL
9 AFC IN
16 ST BY
17 BSW1
18 BSW2
21 GND
42 VCC
41 SCL
40 SDA
39 IOUT
38 CHF.IN
37 RHOUT
36 AV.OUT
35 RHBT
34 VIDEO
33 RESET
32 XTAL2
31 XTAL1
30 TEST
29 OSC
28 OSC2
27 VSYNC
26 HSYNC
25 FB
24 BLUE
23 GREEN
22 RED
R501 2.2M 250V
R500 5K6
R460 2.7K
C477 100nF (M)
R532 100K
R533 220K
C496 22nF
R478 1K
C474 22nF
Q476 PH2369
R476 22K
R477 2.2K
C495 0.1uF
C494 220uF 16V
D495 1N4148
R529 3K3
D499 1N4148
R531 3K3
R530 100
R528 100
R522 47K
R492 1.8K
R489 1.8K
R485 1.8K
R481 1.8K
R495 75K
R491 33K
R487 33K
R483 68K
D476 1N4148
R482 3.9K
R486 6.8K
R490 10K
R494 10K
R488 47K
R484 47K
C478 2.2uF 50V
C480 2.2uF 50V
C479 2.2uF 50V
R499 22K
Q478 JC547A
D490 1N4148
R505 1K
R506 1K
JP7
JP7
Q483 7.5V
R507 1.2K
R523 1.8K
R524 4.7K
R525 15K
Q481 JC547A
Q482 JC547A
R526 100K
R527 150K
R550 4.7K
16V
Q484 JC547A
R604 22K
R534 47K
Q499 JC547A
R535 47K
D479 1N4148
D480 1N4148
D482 1N4148

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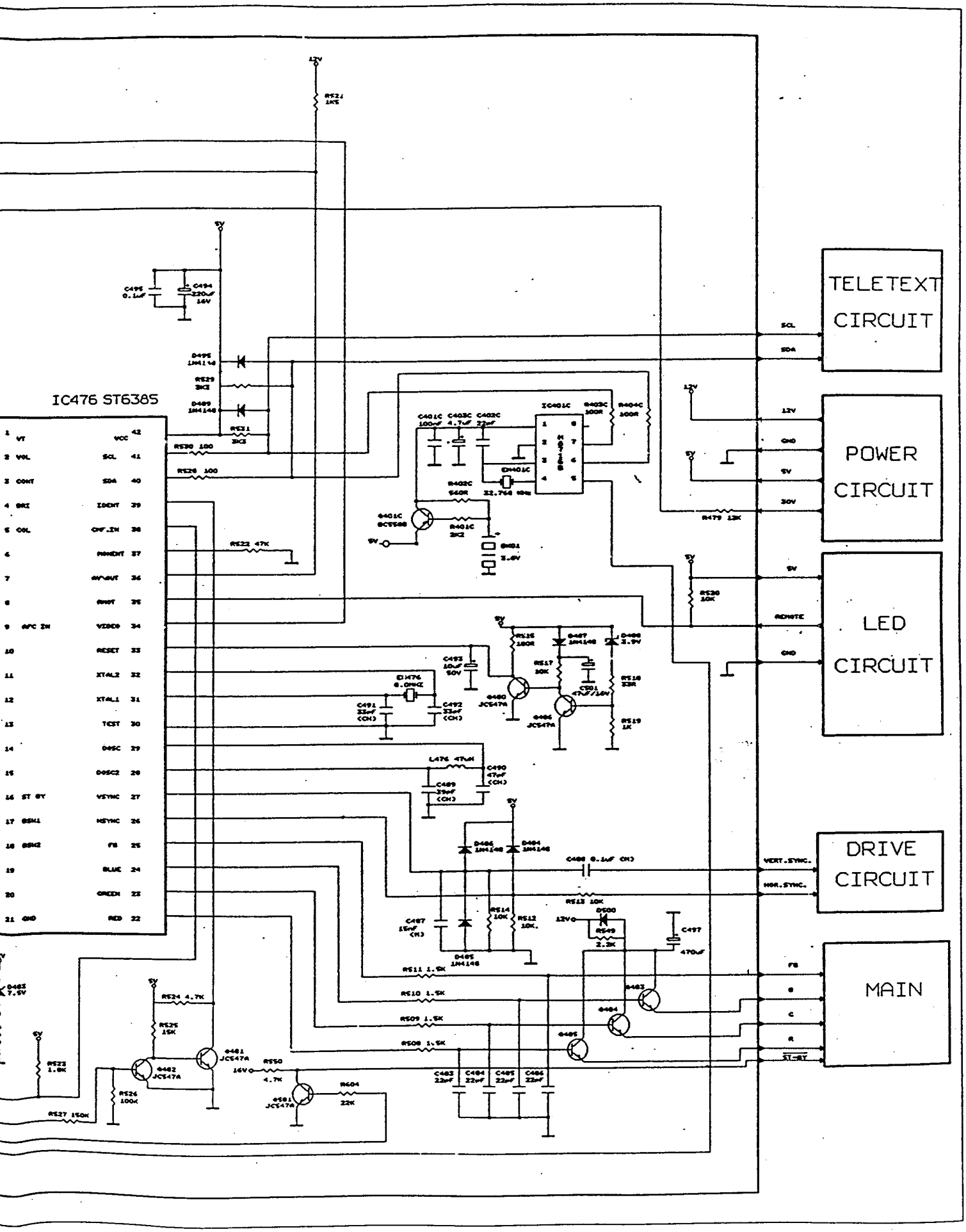
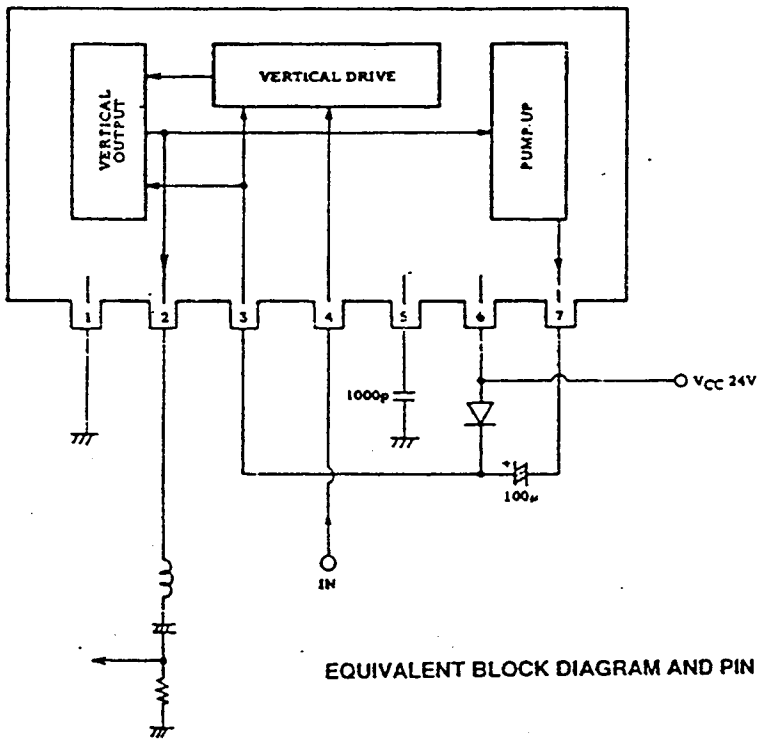
CHANNEL SCHEMATIC DIAGRAM



COLOUR TELEVISION

BLOCK DIAGRAM (LA7830)



1. GND
2. Vertical Output
3. Vertical Output Power Supply
4. Input
5. Phase Compensation
6. Supply Voltage
7. Pump-up Output

EQUIVALENT BLOCK DIAGRAM AND PIN CONFIGURATION

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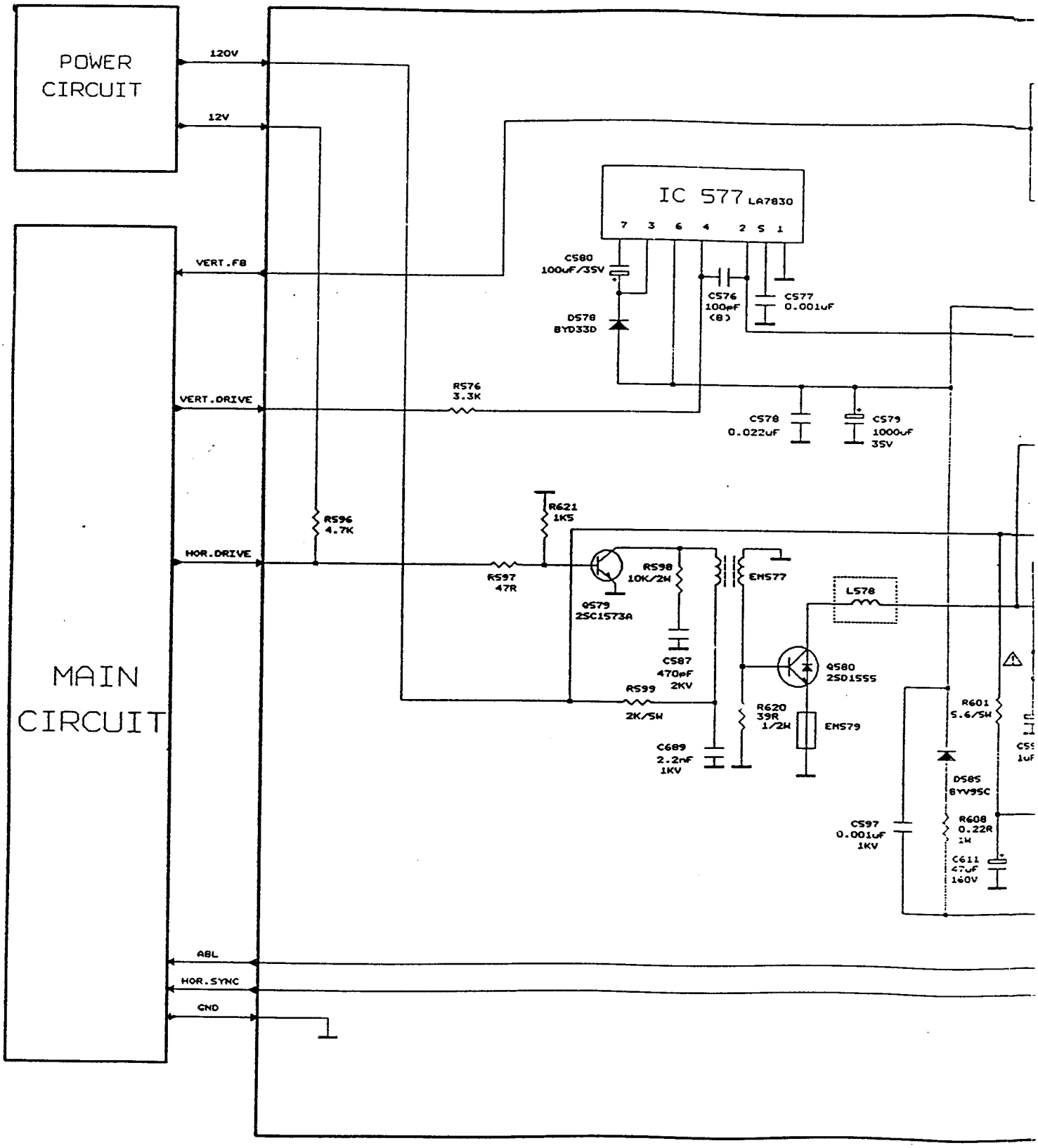
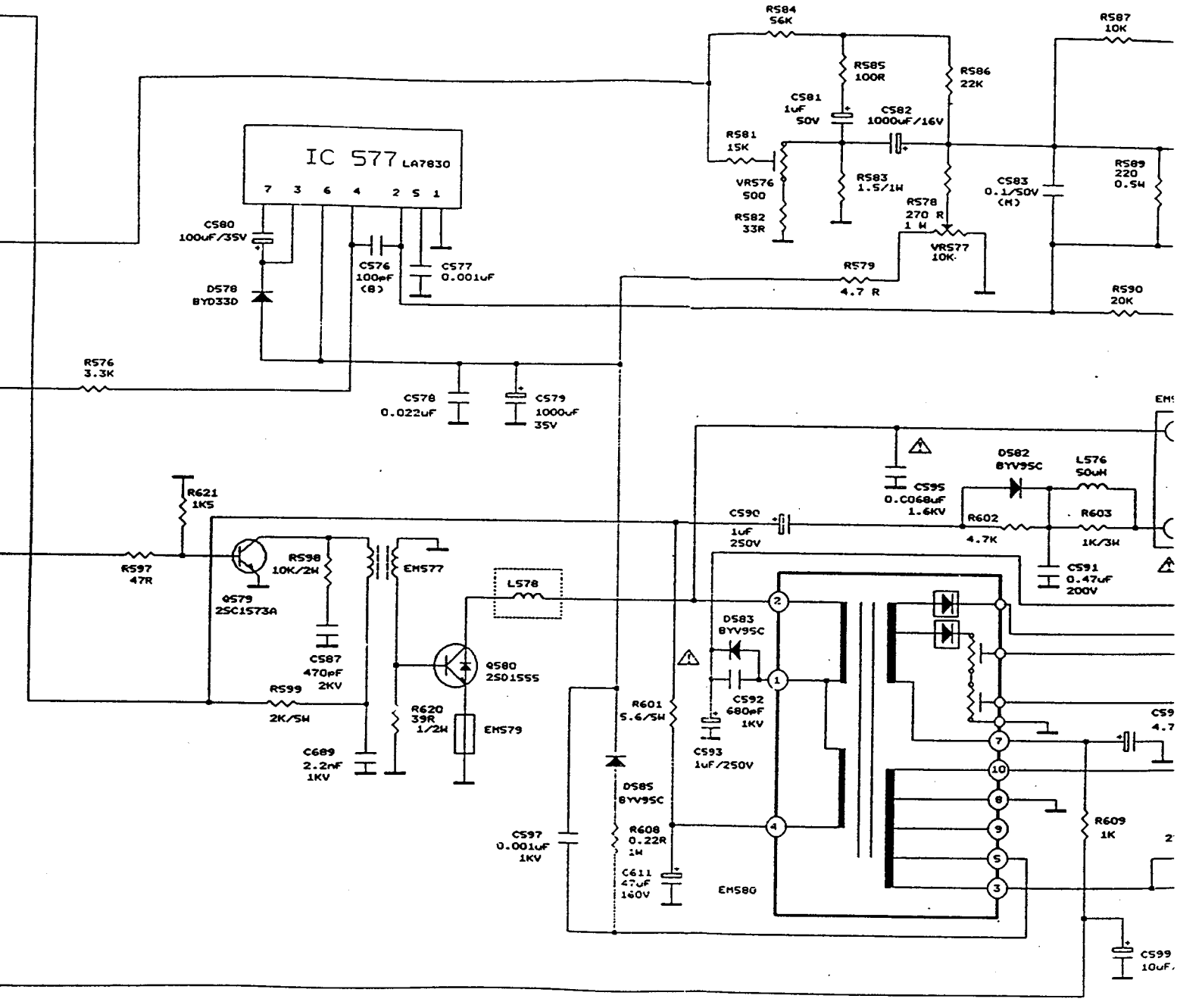
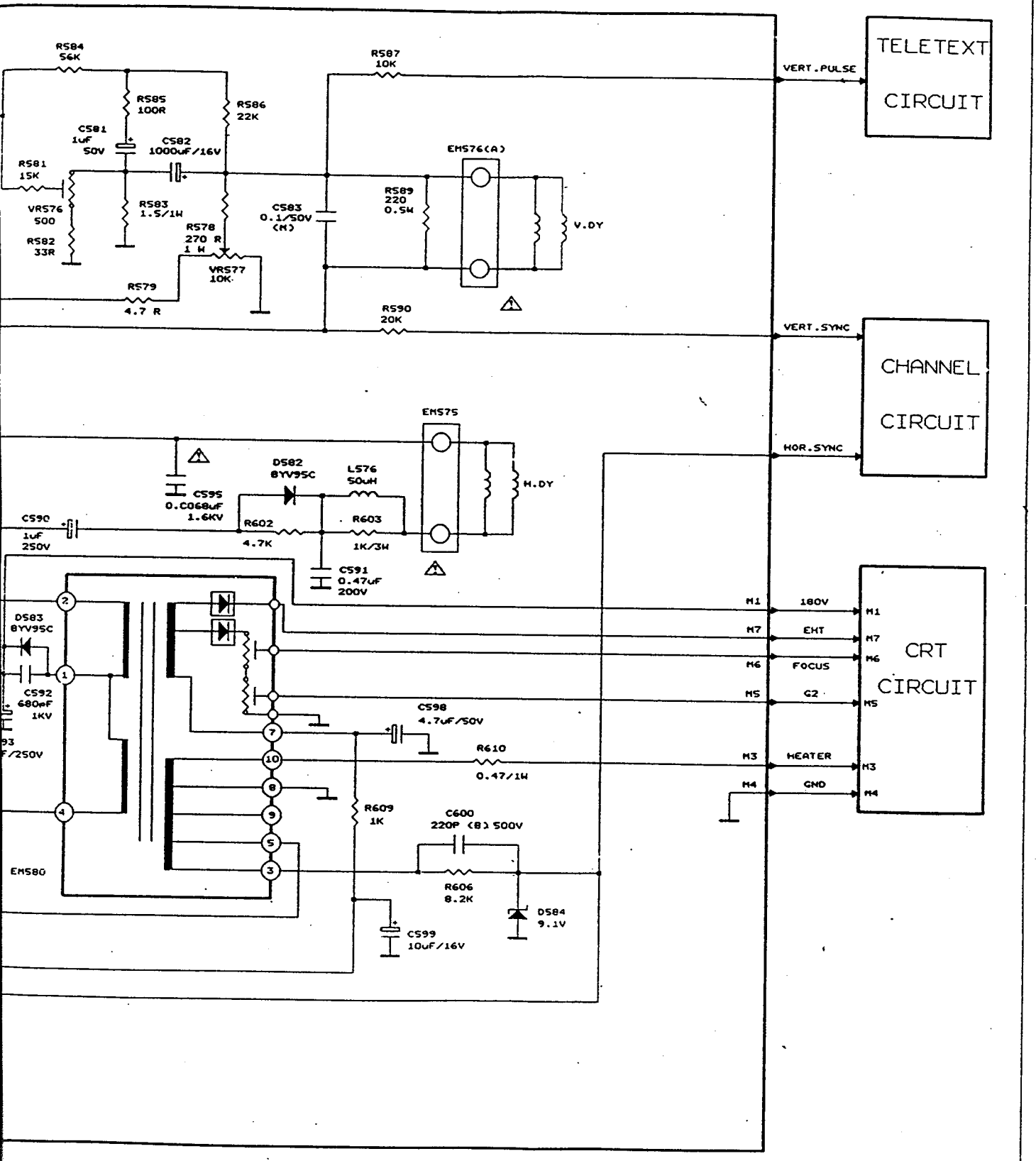
DRIVE SCHEMATIC DIAGRAM

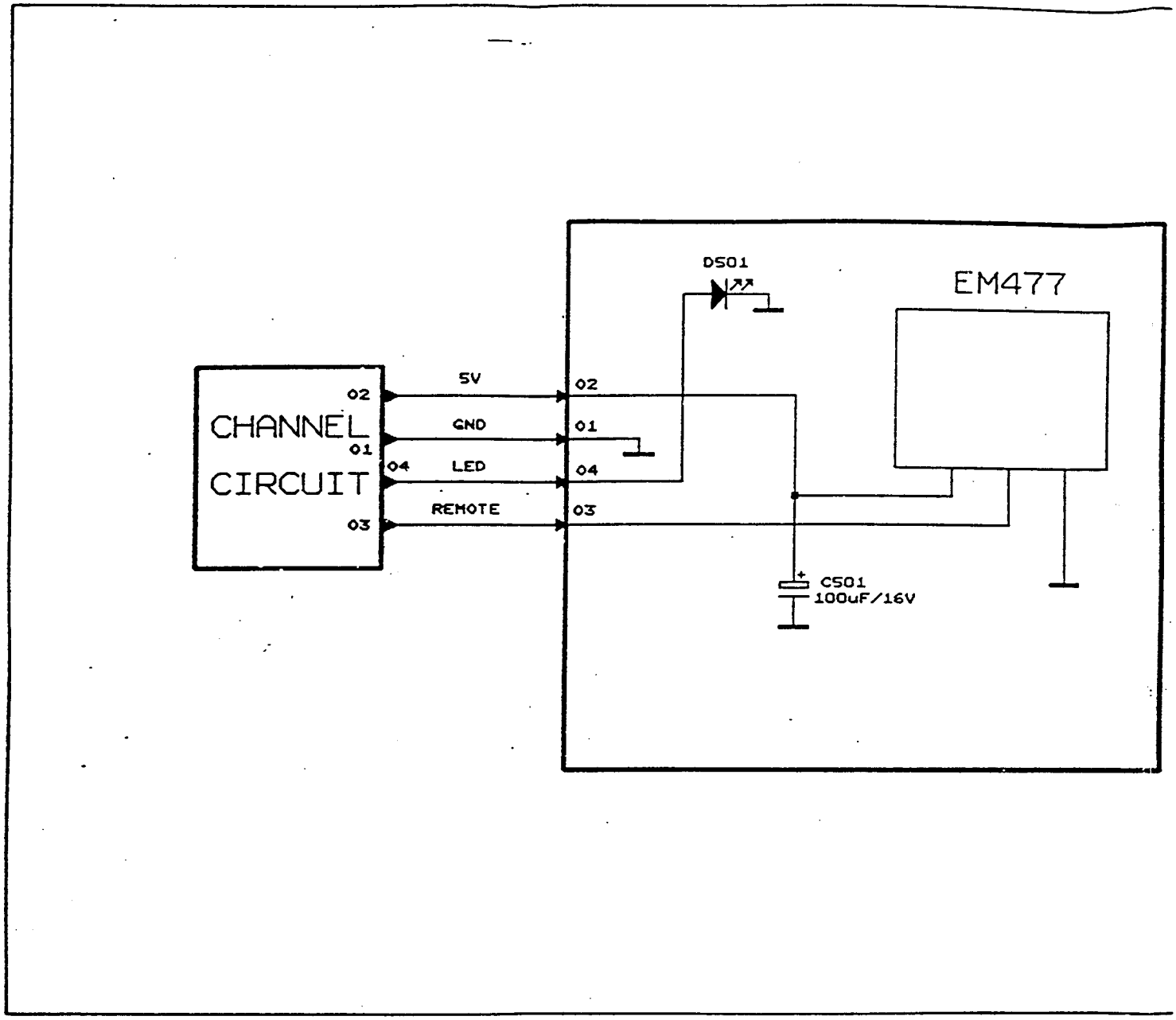
RS76-R619
CS76-C610
DS76-DS83
EMS76-EMS80
VRS76-VRS78
QS76-QS81
IC576
LS76-LS77

14''/20''

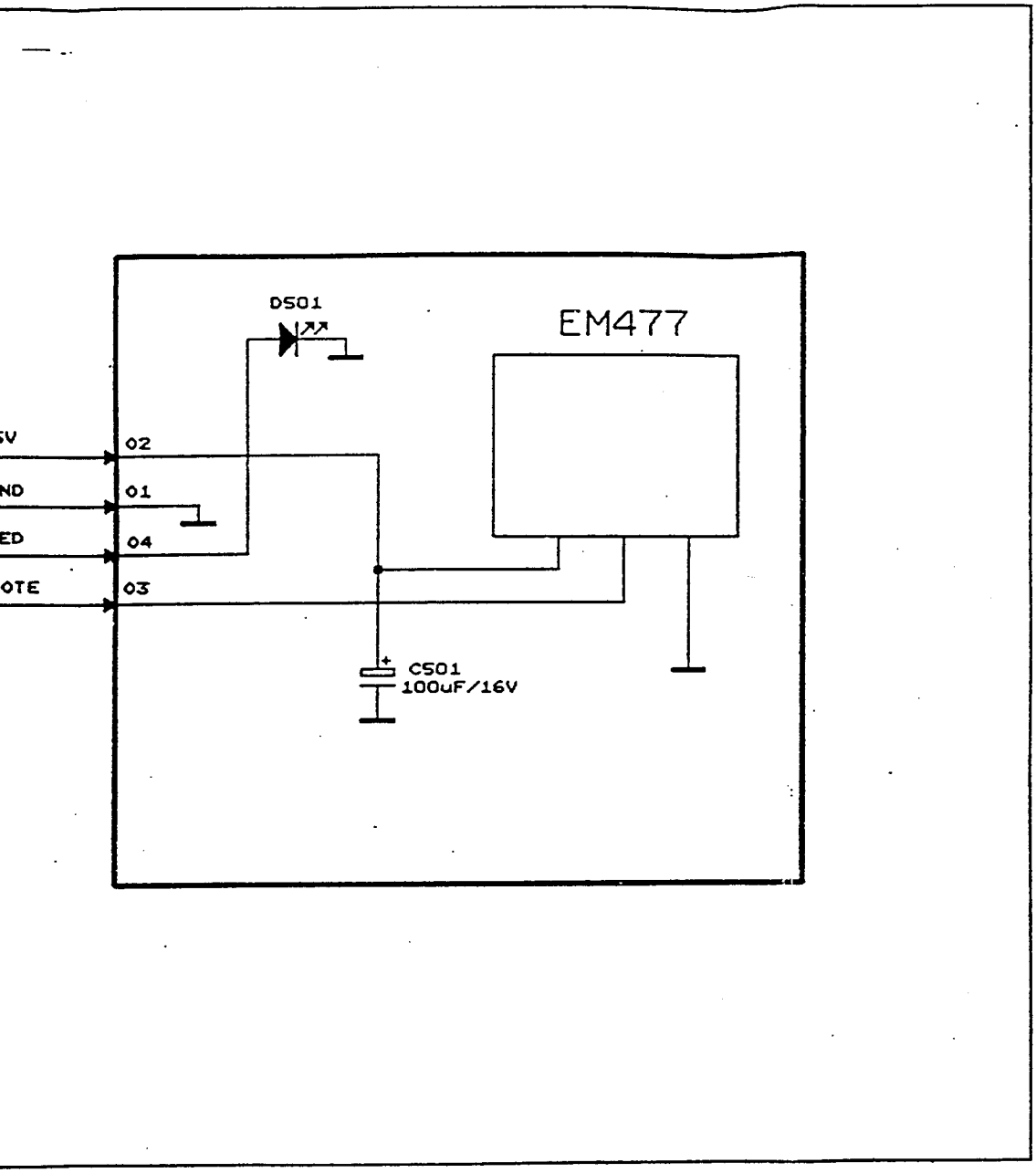


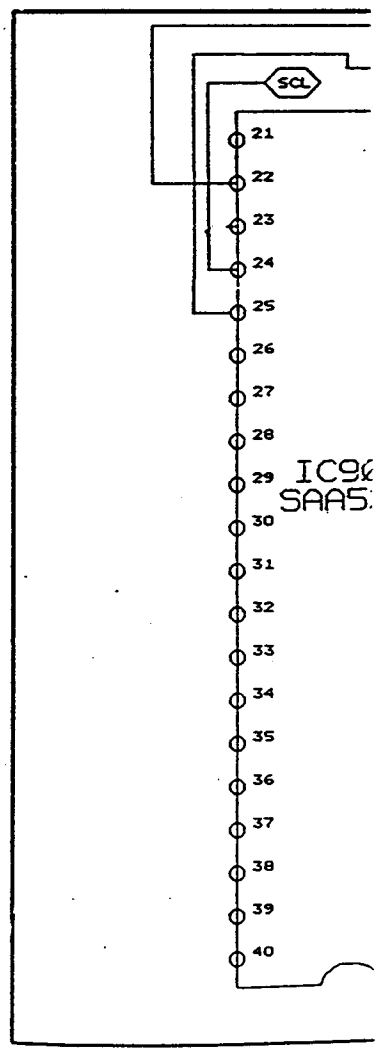

IC 577 LA7830
7 3 6 4 2 5 1
RS84 56K
RS85 100R
RS86 22K
RS87 10K
CS81 1uF 50V
CS82 1000uF/16V
RS81 15K
VR576 500
RS82 33R
RS83 1.5/1W
RS78 270 R 1 W
VRS77 10K
CS83 0.1/50V (M)
RS89 220 0.5W
RS79 4.7 R
RS90 20K
CS80 100uF/35V
DS78 BYD33D
CS76 100pF (B)
CS77 0.001uF
RS76 3.3K
CS78 0.022uF
CS79 1000uF 35V
R621 1K5
R597 47R
Q579 2SC1573A
RS98 10K/2W
CS87 470pF 2KV
RS99 2K/5W
EMS77
LS78
Q580 2SD1555
R620 39R 1/2W
EMS79
C689 2.2nF 1KV
CS97 0.001uF 1KV
R601 5.6/5W
DS85 BYV95C
R608 0.22R 1W
C611 47uF 160V
EMS80
DS83 BYV95C
CS92 680pF 1KV
CS93 1uF/250V
CS90 1uF 250V
CS95 0.C068uF 1.6KV
DS82 BYV95C
L576 50uH
R602 4.7K
R603 1K/3W
CS91 0.47uF 200V
R609 1K
CS99 10uF/


RS84
56K
RS85
100R
RS86
22K
CS81
1uF
50V
CS82
1000uF/16V
RS81
15K
VRS76
500
RS82
33R
RS83
1.5/1W
RS78
270 R
1 W
VRS77
10K
RS79
4.7 R
CS83
0.1/50V
(M)
RS87
10K
RS89
220
0.5W
EHS76(A)
V.DY
RS90
20K
VERT.PULSE
TELETEXT
CIRCUIT
VERT.SYNC
HOR.SYNC
CHANNEL
CIRCUIT
EHS75
H.DY
CS95
0.0068uF
1.6KV
DS82
8YV95C
LS76
50uH
CS90
1uF
250V
R602
4.7K
R603
1K/3W
C591
0.47uF
200V
DS83
8YV95C
CS92
680pF
1KV
EHS80
CS98
4.7uF/50V
R610
0.47/1W
R609
1K
C600
220P (B) 500V
R606
8.2K
DS84
9.1V
CS99
10uF/16V
M1
180V
M7
EHT
M6
FOCUS
M5
G2
M3
HEATER
M4
GND
CRT
CIRCUIT

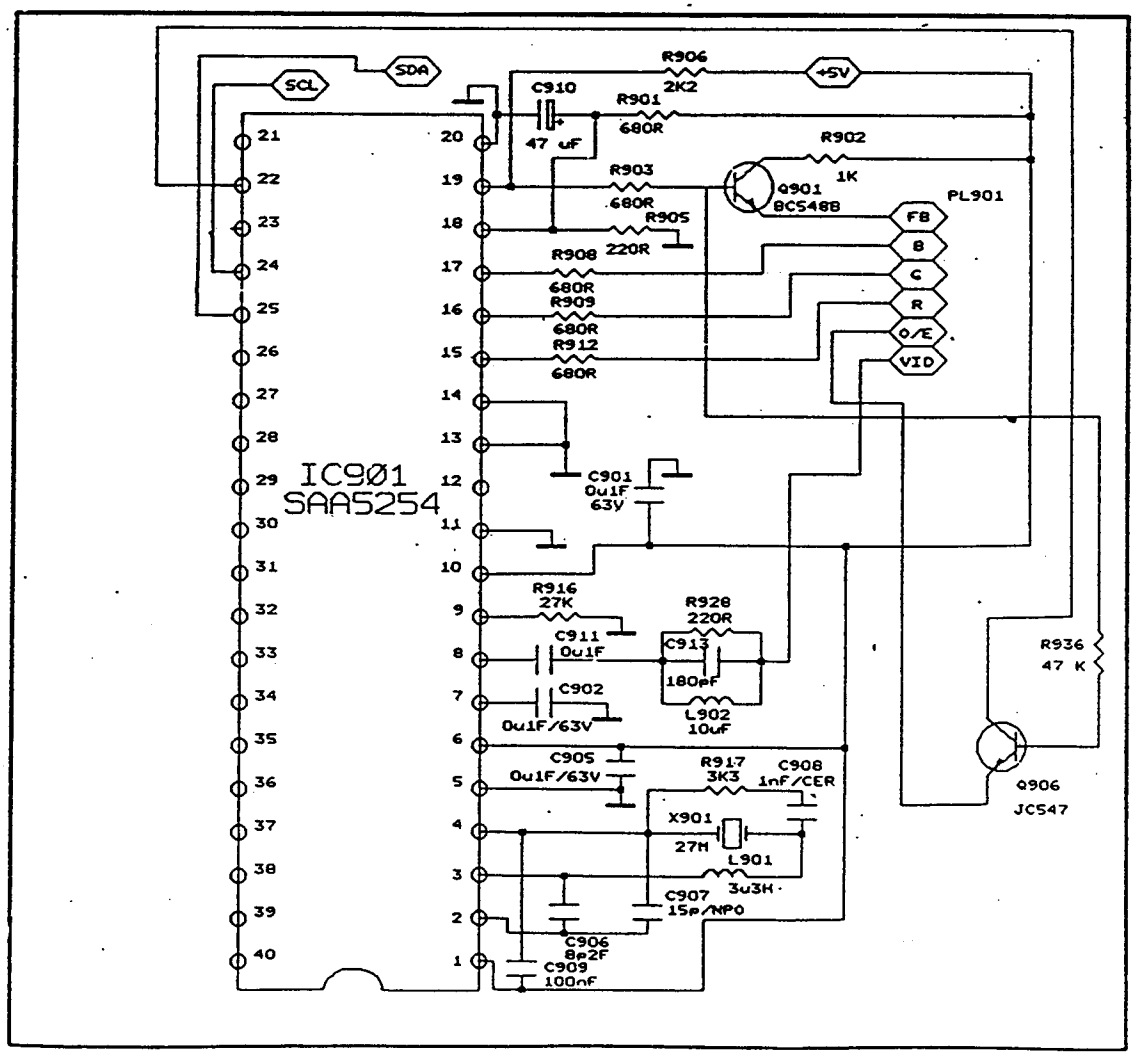

DS01
EM477
CHANNEL
CIRCUIT
02
01
04
03
5V
GND
LED
REMOTE
02
01
04
03
C501
100uF/16V

LED CIRCUIT





TELETEXT CIRCUIT



TELETEXT CIRCUIT

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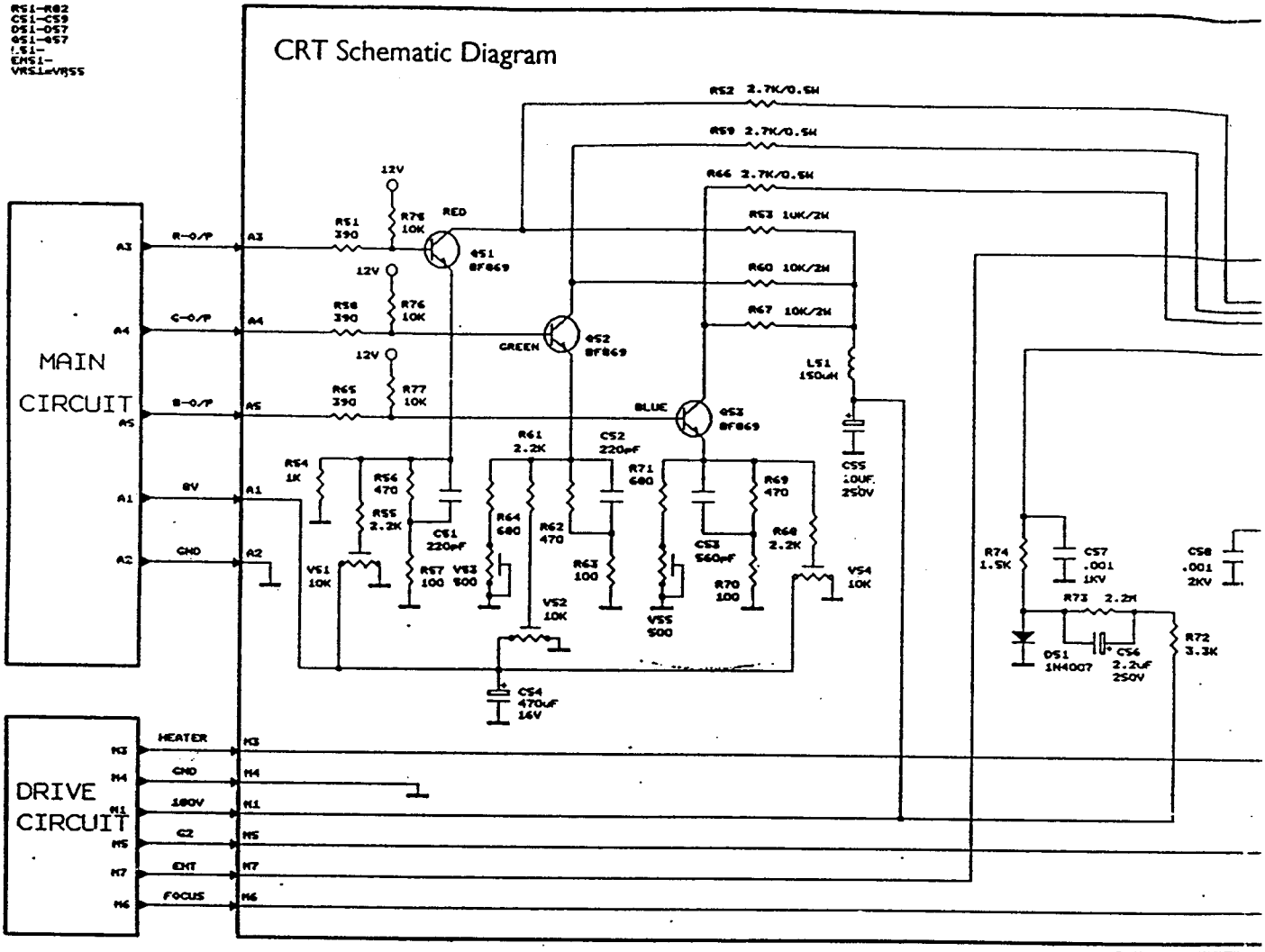
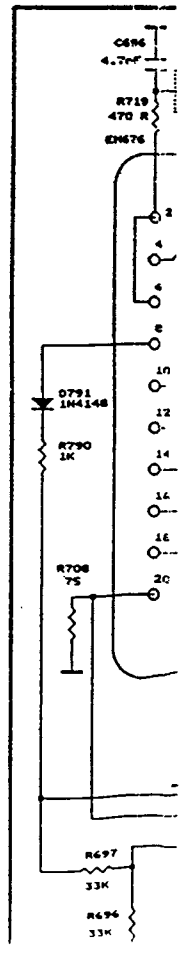
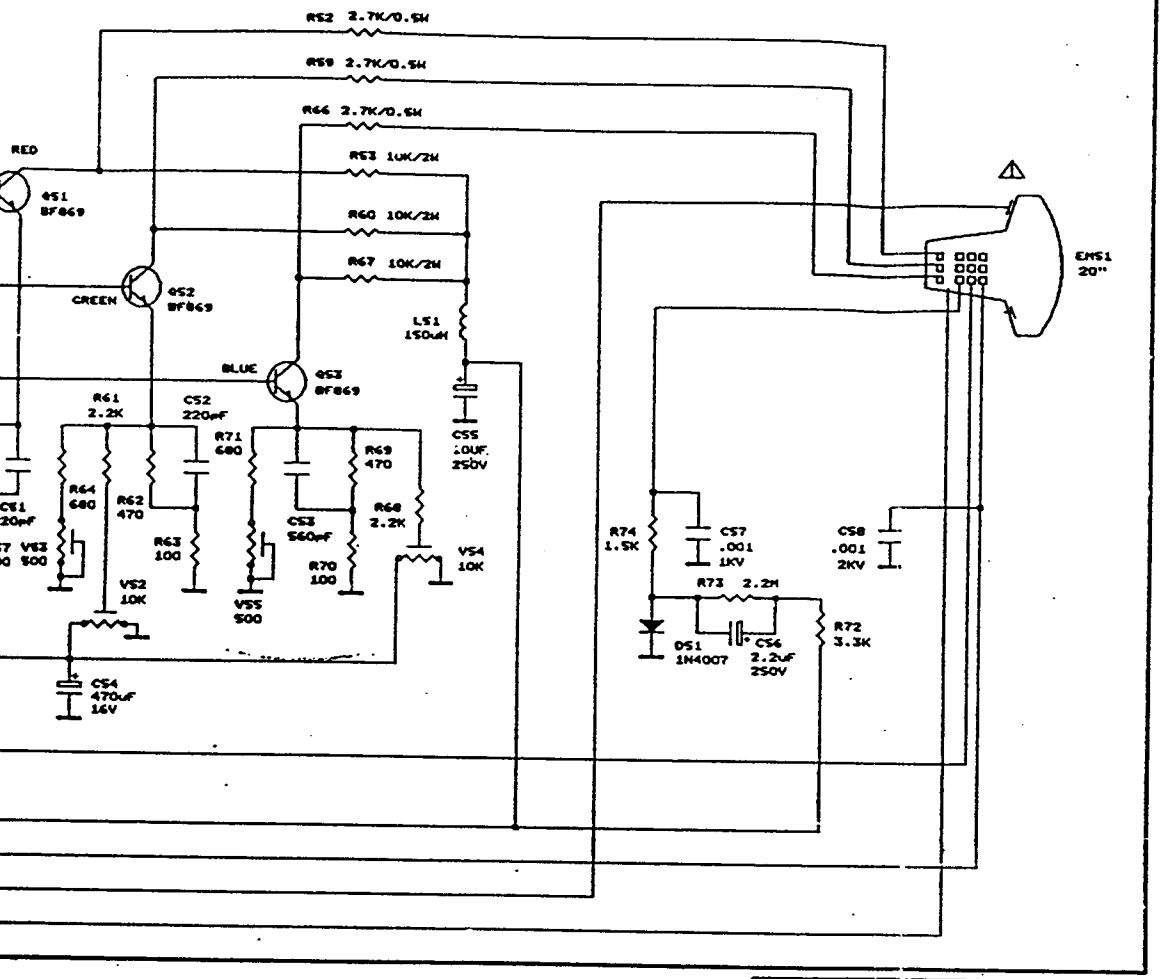
COLOUR TELEVISION

CRT & AV SCHEMATIC DIAGRAM

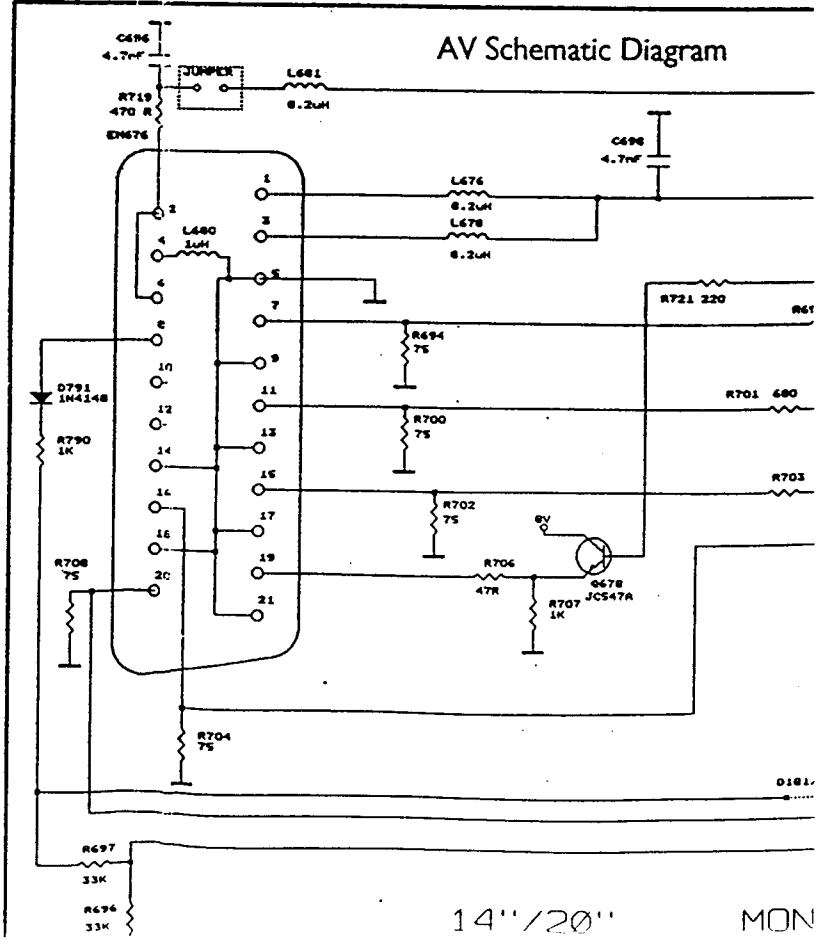


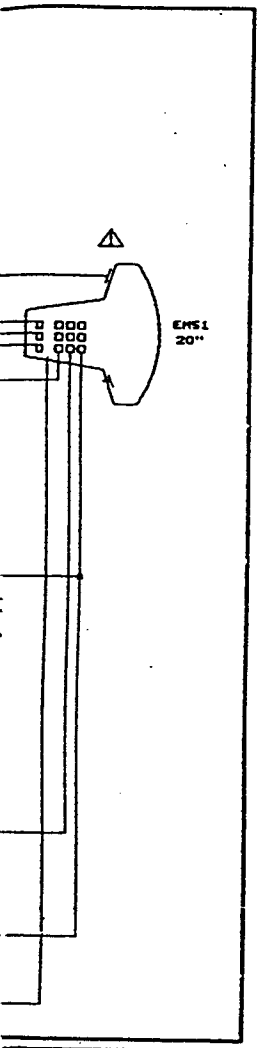


tic Diagram

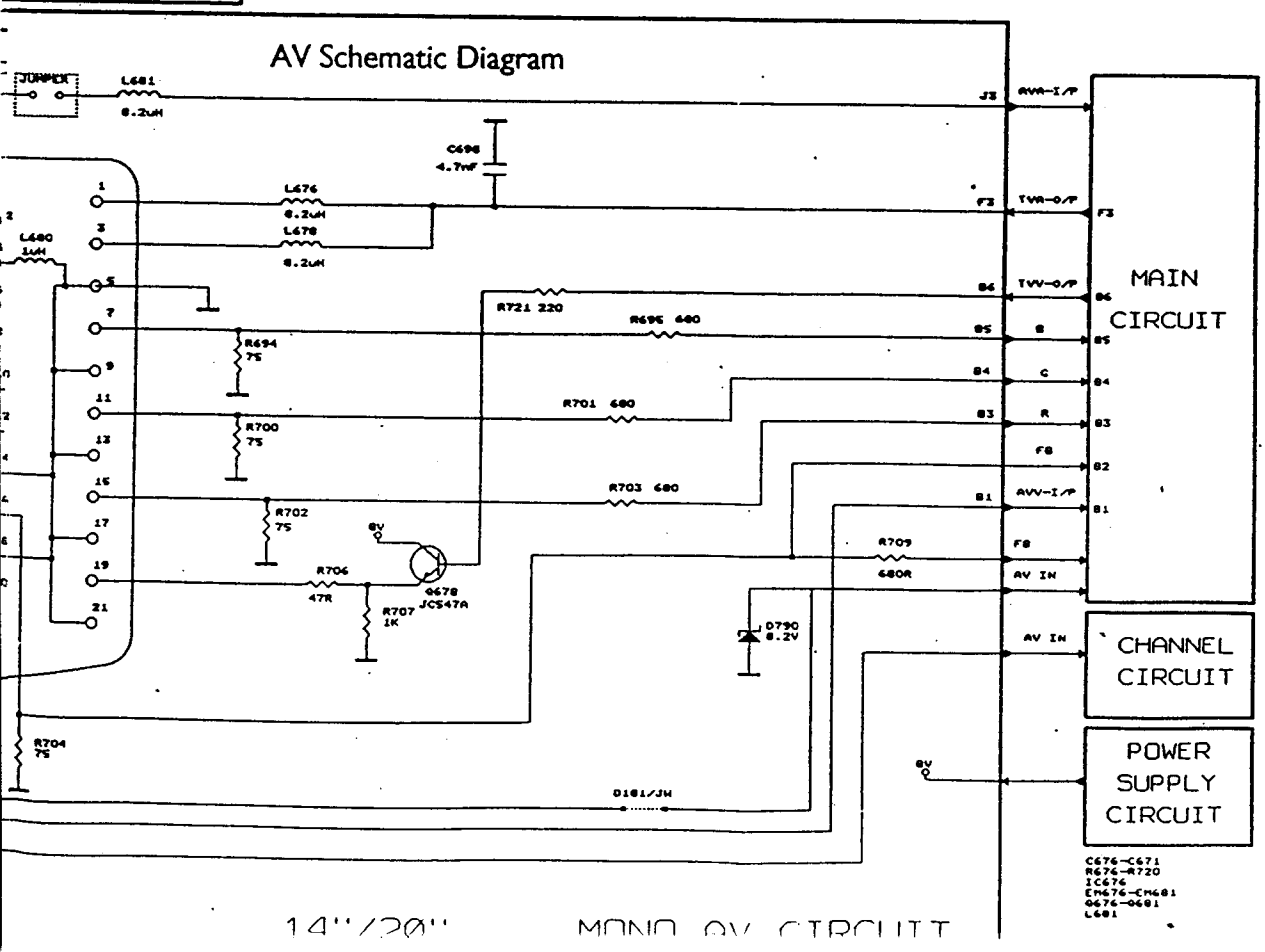


AV Schematic Diagram



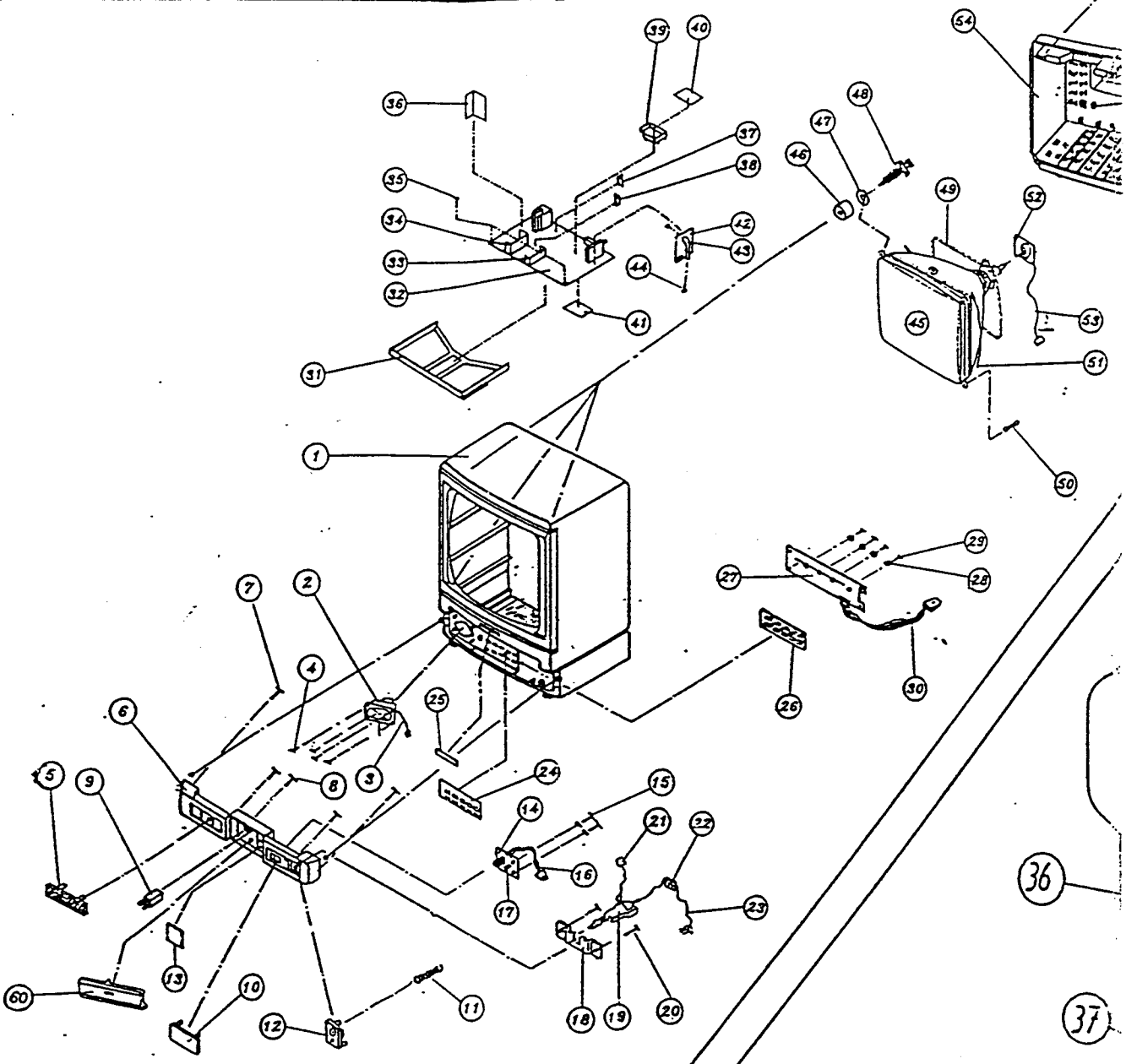


AV Schematic Diagram



14"/20" MONO AV CIRCUIT

1496R/T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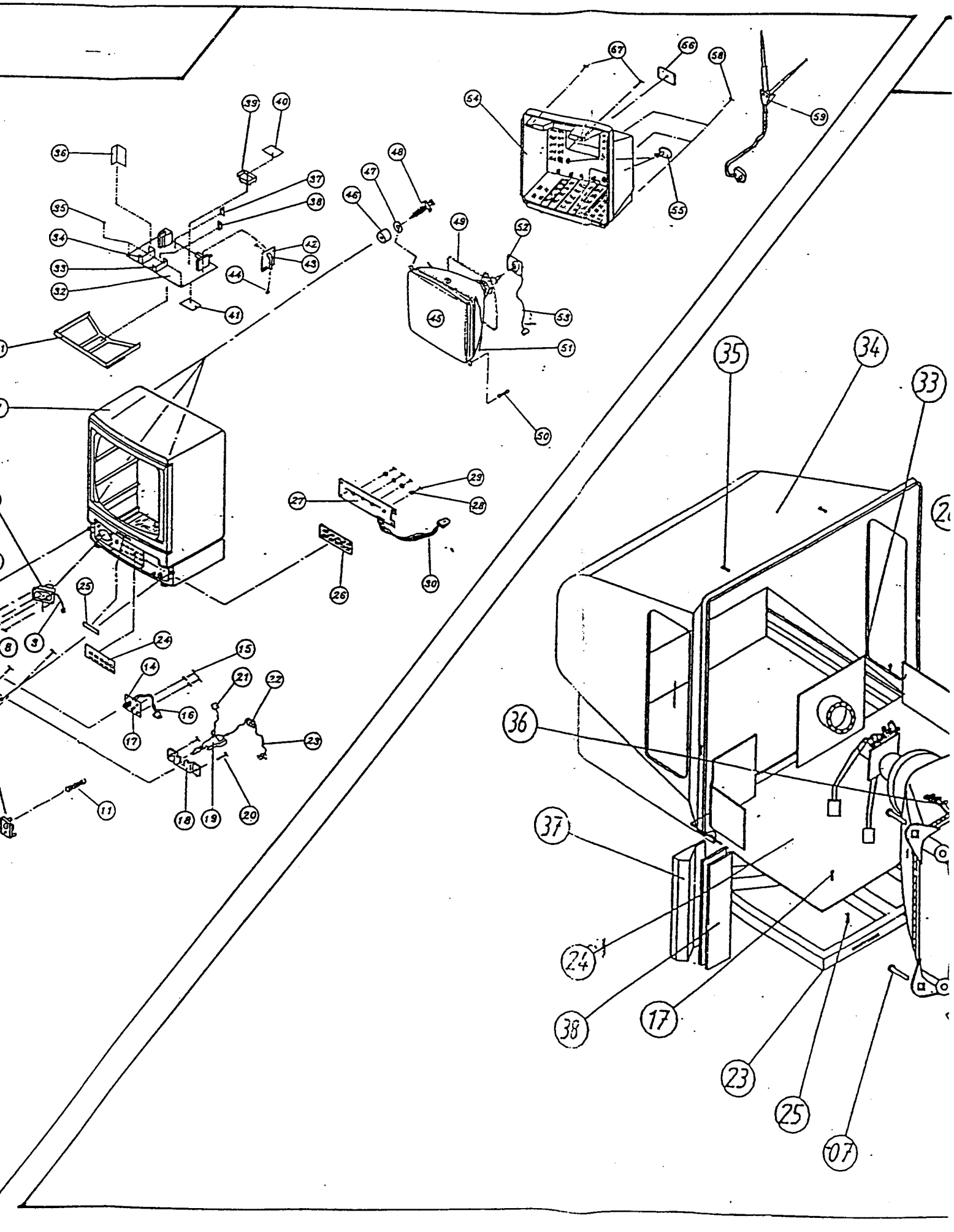
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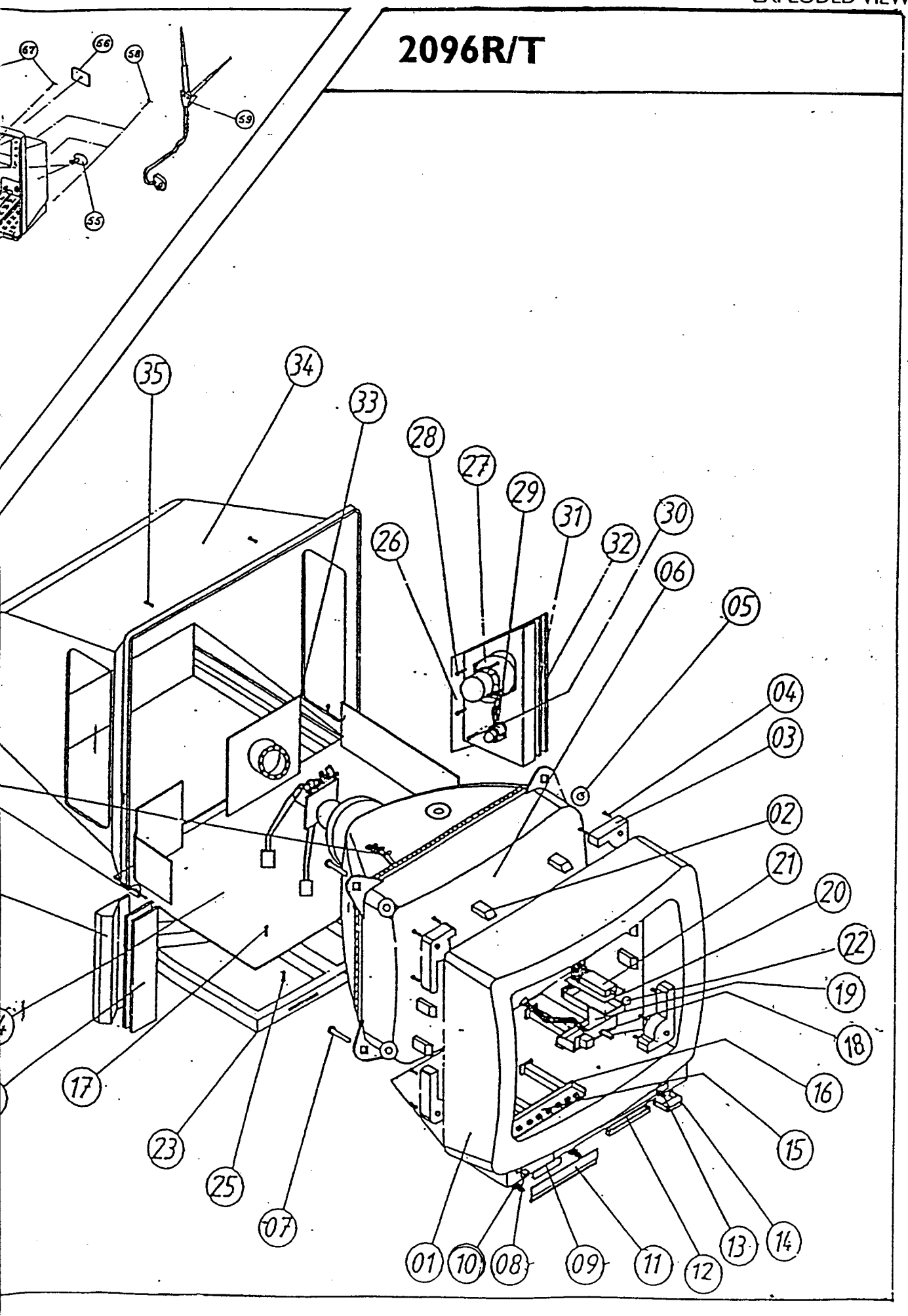
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MATSUI 1496R/T

MANUAL NUMBER **665684**

COLOUR TELEVISION

REPLACEMENT PARTS LIST PAGE 1

INSTRUCTION BOOK	*INSBK1496R*
WIRE CONNECTOR (8 PIN)	*002081000511*
RUBBER LED	*005251025450*
TUBE HOLDER	*005420012460*
RUBBER CRT	*005451025140*
LOGO	*005455423380*
DISPLAY WINDOW	*005461003490*
LOCK FOR COVER BLK	*005470001421*
RUBBER SILICON 8-10KEYS	*005951085511*
SPEAKER GRILL	*013610711400*
BRACKET ON/OFF	*013926020510*
INSTRUCTION MANUAL(1496R)	*065001008870*
INSTRUCTION MANUAL (1496T)	*065001008890*
PICT TUBE CTV (A33LPE0201	*070362110111*
CRT SOCKET (29MM)	*075020800031*
CONN 4P (3 PIN)	*075030411011*
CONNECTOR (5 PIN)	*075030511001*
CONNECTOR (8 PIN)	*075030811011*
CONNECTOR (6 PIN)	*075100611001*
INSTRUCTION BOOK	*085001008870*
COIL DEGAUS CRT	*608580003580*
SPEAKER WOOFER 8R 3W	*610006312041*
REMOTE CONTROL (1496R)	*631020001071*
REMOTE CONTROL (1496T)	*631020001081*
MAIN CHASSIS 14"	*841100010985*
COMP CRT SOCKET	*841104013418*
PREAMP	*841107010983*
COMP KEYBOARD	*841108010985*
ON/OFF BLOCK	*841270010985*
FRONT CABINET	*905100142020*
CONTROL PANEL COVER (1496R)	*905001212060*
CONTROL PANEL COVER (1496T)	*905001212050*
CONTROL PANEL	*905102145380*
ON/OFF BUTTON	*905108010985*

	BACK CABINET	905110151040
	FRAME MAIN CHASSIS	905415003040
CDX	CAP CER 2200PF 2KV	040040172221
C1	CAP CER 100PF 50V 10%	040040041011
C101	CAP POLY 0.10MF 275V AC	620022061041
C102	CAP POLY 0.10MF 275V AC	620022061041
C103,4	CAP CER 1000PF 1KV BN	040046151021
C105	CAP AL ELEC 100MF 400V	042719901071
C106	CAP POLY 0.033MF 630V	621003133331
C107	CAP CER 1000PF 2KV	040040171021
C108	CAP CER 100PF 50V 10%	040040041011
C109	CAP ELEC 1MF 50V	042416501051
C110	CAP POLY 0.0033MF 50V	621004003321
C111	CAP POLY 0.0068MF 50V	621005006821
C112	CAP ELEC 47MF 16V	042447164761
C113	CAP POLY 0.22MF 50V	620004002241
C114	CAP CER 100PF 1KV	040050151011
C115	CAP CER 2200PF 4KV	040040202221
C116,18	CAP CER 470PF 1KV	040040154711
C117	CAP ELEC 1000MF 25V	042440251081
C119	CAP ELEC 47MF 160V	042419834761
C120	CAP ELEC 1000MF 16V	042412161081
C121	CAP ELEC 220MF 16V	042417162271
C123	CAP CER 100NF 25V 20%	040070021031
C124	CAP ELEC 47MF 16V	042447164761
C125	CAP ELEC 2.2MF 50V	042184502251
C126	CAP CER 10NF 50V 20%	040070041031
C128	CAP ELEC 220MF 16V	042417162271
C129	CAP CER 470PF 1KV	040040154711
C130	CAP ELEC 2200MF 25V	042410252281
C131	CAP ELEC 220MF 16V	042417162271
C132	CAP POLY 0.1MF 50V	621003001041
C133	CAP POLY 0.1MF 50V	621003001041
C134	CAP ELEC 4.7MF 50V	042194504751

C135	CAP CER 470PF 1KV	040040154711
C136	CAP ELEC 220MF 16V	042417162271
C151-4	CAP CER 1NF 50V 20%	040070041021
C161	CAP ELEC 470MF 16V	042140164771
C162	CAP CER 100NF 25V 20%	040070021031
C163	CAP CER 10NF 50V 20%	040070041031
C164	CAP ELECT 10MF 16V 20%	042446161061
C165	CAP ELEC 33MF 16V	042417163361
C167	CAP M POLYEST.330NF 50V	620003003341
C170	CAP POLY 0.1MF 50V	621003001041
C181	CAP CER 4700PF 50V	040040044721
C182	CAP CER 10PF 50V 5%	040032041001
C183	CAP ELECT 10MF 16V 20%	042446161061
C184,6,7 ...	CAP CER 100NF 25V 20%	040070021031
C185	CAP ELEC 220MF 16V	042417162271
C188	CAP POLY 0.047MF 50V	618024004731
C189	CAP ELECT 10MF 16V 20%	042446161061
C190	CAP POLY 0.1MF 50V	621003001041
C191	CAP ELECT 10MF 16V 20%	042446161061
C192-4	CAP CER 100NF 25V 20%	040070021031
C195	CAP ELECT 10MF 16V 20%	042446161061
C196	CAP ELECT 10MF 16V 20%	042446161061
C197	CAP CER 100NF 25V 20%	040070021031
C198	CAP POLY 0.0047MF 50V	618024004721
C200	CAP CER 18PF 50V	040032041801
C201	CAP CER 10NF 50V 20%	040070041031
C202	CAP ELECT 10MF 16V 20%	042446161061
C203	CAP POLY 0.0022MF 50V	618014002221
C204	CAP POLY 0.0047MF 50V	618024004721
C205	CAP ELEC 1MF 50V	042416501051
C206	CAP CER 2.2NF 50V	040071042221
C207	CAP POLY 0.1MF 63V	620013081041
C208	CAP POLY 0.022MF 50V	618013002231
C209	CAP CER 22NF 50V	040060042231

C210	CAP ELEC 2.2MF 50V	042184502251
C211	CAP POLY 0.022MF 50V	618013002231
C212	CAP POLY 0.1MF 50V	621003001041
C213	CAP ELECT 10MF 16V 20%	042446161061
C214	CAP ELEC 2.2MF 50V	042184502251
C215	CAP CER 100NF 25V 20%	040070021031
C216	CAP ELECT 10MF 16V 20%	042446161061
C241	CAP CER 100NF 25V 20%	040070021031
C242	CAP ELEC 100MF 16V	04214016071
C243	CAP POLY 0.1MF 50V	621003001041
C244	CAP POLY 0.1MF 50V	62100300104
C245-6	CAP CER 1NF 50V 20%	040070041021
C26	CAP CER 15PF 5% 50V	040032041501
C27-28	CAP CER 5PF 50V	040030045091
C29	CAP CER 12PF 50V	040034041201
C30	CAP CER 1NF 50V 20%	040070041021
C31	CAP CER 100PF 50V 10%	040040041011
C326	CAP CER 33PF 10% 50V	040041043301
C328	CAP CER 47PF 50V	040041044701
C329	CAP ELEC 1MF 50V	042416501051
C401	CAP POLY 0.1MF 50V	621003001041
C402-3	CAP ELEC 1000MF 25V	042440251081
C404	CAP CER 100NF 25V 20%	040070021031
C405	CAP ELEC 47MF 16V	042447164761
C407	CAP CER 2.2NF 50V	040071042221
C408	CAP ELEC 2.2MF 50V	042184502251
C409	CAP ELECT 10MF 16V 20%	042446161061
C410	CAP POLY 0.1MF 50V	621003001041
C476	CAP CER 22NF 50V	040060042231
C477	CAP M POLYEST.330NF 50V	620003003341
C478-81 ...	CAP ELEC 2.2MF 50V	042184502251
C483-6	CAP CER.22PF 50V	040042042201
C487	CAP POLYEST 0.015UF 50V	621004001531
C488	CAP POLY 0.1MF 50V	621003001041

C489-90 ...	CAP CER 47PF 50V	040040044701
C491-2	CAP CER 33PF 50V	040040043301
C493	CAP ELEC 1MF 50V	042416501051
C494	CAP ELEC 220MF 16V	042417162271
C495	CAP CER 22NF 50V	040060042231
C496	CAP POLY 0.022MF 50V	618013002231
C497	CAP ELEC 470MF 16V	042140164771
C51-51	CAP 220PF 50V	040030042211
C53	CAP CER 560PF 50V	040042045611
C54	CAP ELEC 470MF 16V	042140164771
C55	CAP.ELECT 10UF 250V	042440861061
C56	CAP ELECT 2.2UF 250V	042446862251
C57	CAP CER 1000PF 2KV	040040171021
C576	CAP CER 100PF 500V	040040141011
C577	CAP CER 1NF 50V 20%	040070041021
C578	CAP CER 22NF 50V	040060042231
C579	CAP ELEC 1000MF 35V	042416351081
C58	CAP CER 4700PF 2KV	040060174721
C580	CAP 100 UF 50V	042446351071
C581	CAP ELEC 1MF 50V	042416501051
C582	CAP ELEC 1000MF 16V	042412161081
C583	CAP POLY 0.1MF 50V	621003001041
C587	CAP CER 470PF 2KV	040040174711
C590	CAP ELEC 1MF 250V	042414861051
C592	CAP CER 680PF 1KV	040040156811
C593	CAP ELEC 1MF 250V	042414861051
C595	CAP POLYP 7.2NF 1600V	618008127211
C597	CAP CER 1000PF 2KV	040040171021
C598	CAP ELEC 4.7MF 50V	042194504751
C599	CAP ELEC 1MF 50V	042416501051
C600	CAP CER 220PF 500V	040040142211
C611	CAP ELEC 47MF 160V	042419834761
C670	CAP ELEC 22MF 20% 16V	042194162261
C671	CAP CER 10NF 10% 50V	040042041021

C676	CAP CER 100NF 25V 20%	040070021031
C687	CAP CER 22PF 10% 50V	040040042201
C690/2/5 ...	CAP CER 22PF 10% 50V	040040042201
C696/8	CAP CER 22PF 10% 50V	040040042201
C761/2	CAP ELECT 10MF 16V 20%	042446161061
D101-4	DIODE IN4007	048321423201
D105	DIODE BYD33D	048000000011
D106	DIODE BYV95C	048000000021
D107	ZENER 6.2V	048542613621
D108-9	DIODE BYD33D	048000000011
D111-13 ...	DIODE BYV95C	048000000021
D114	DIODE TEMP UPC574J	048000000141
D115	DIODE BYD33D	048000000011
D164-7	DIODE IN4148	048210411001
D169-71 ...	DIODE IN4148	048210411001
D181	DIODE IN4148	048210411001
D187	DIODE IN4148	048210411001
D241	ZENER 5.1V 0.5W	048100255101
D476-82 ...	DIODE IN4148	048210411001
D483	ZENER 7.5V 0.5W	048000000111
D484-487 ..	DIODE IN4148	048210411001
D488	ZENER 3.9V 0.5W	048320702201
D489-90 ...	DIODE IN4148	048210411001
D491	ZENER 3.9V 0.5W	048320702201
D500	DIODE IN4148	048210411001
D51	DIODE IN4007	048321423201
D578	DIODE BYD33D	048000000011
D582	DIODE BYV95C	048000000021
D582-3	DIODE BYV95C	048000000021
D582-3-5 ...	DIODE BYV95C	048000000021
D584	ZENER 9.1V 0.5W	048548637001
D734/5	DIODE IN4148	048210411001
EM103	FUSE SLOW 3.15A 250V	067420001811
EM104	FILTER LINE ELF-18D615	608980003721

EM105	POS PTH451A102BG180M290	034710303631
EM111	T'FORMER SMPS 110V	602470003340
EM113	COIL FIL 3.5X10X1.3 H	608780002411
EM151	TUNER (TYPE ECU5983VA06A)	616805700011
EM182	CRYSTAL 4.433619MHZ	049030000501
EM476	CRYSTAL 8.00MHZ	049030000041
EM575	HARNESS ASSY 2P (HOR)	002344500031
EM575	CONN 2P 5283-02A	075030261001
EM576	HARNESS ASSY 2P (VER)	002344500021
EM576	CONN 2P 5279-02A	075030211001
EM577	T'FORMER HORZ DRIVE	602300033051
EM579	COIL FIL 3.5X10X1.3 H	608780002411
EM580	T'FORMER FLYBACK (HR7577)	604200000230
E102	HARNESS ASSY 2P 70CM	002099502001
E102	CONN 2PIN 5285-02A(MAIN)	075100211021
E108	HARNESS ASSY 2P (DEGUASS)	002021000301
E108	CONN 2P 5287-02A(DEGAUSS)	075100211781
IC101	LM317	045238103051
IC102	L7808 8V 1A	045018113181
IC103	LM7805/L7805 5V 1A	045238103081
IC104	TDA4605	045000000761
IC241	TDA4661 IC	045000000721
IC401	TDA1905	045100311451
IC476	ST6385BB1	045000000591
IC577	TDA8403K IC	045000000821
L101	COIL CHOKE 150 UH	608380002361
L151	COIL AX FIXED 1UHJ	608980000111
L152	COIL AX FIXED 10 UH	608000000021
L181	COIL AX FIXED 6.8 UHJ	608080000161
L182	COIL AX FIXED 10 UH	608000000021
L476	COIL 47UH AXIAL	608000000031
L51	COIL 150UH AXIAL	608000002781
L578	COIL 50UH LINEARITY	608980004051
L676-81	COIL AX FIXED 8.2 UH J	608080000191

Q101	TRANS H3N90	046933000011
Q102	TRANS 2SC1815 (JC 547A)	046014055311
Q151	TRANS BF370	046001259011
Q166/7	TRANS 2SC1815 (JC 547A)	046014055311
Q181	TRANS 2SC1815 (JC 547A)	046014055311
Q257	TRANS 2SC1815 (JC 547A)	046014055311
Q476	TRANS PH2369	046000022101
Q478	TRANS 2SC1815 (JC 547A)	046014055311
Q480,88 ...	TRANS JC558	046926168331
Q482-5	TRANS 2SC1815 (JC 547A)	046014055311
Q51-3	TRANS BF869	046472261011
Q579	TRANS 2SC1573A	046000000051
Q580	TRANS BUH315D	046932183041
Q581	TRANS 2SC1815 (JC 547A)	046014055311
Q678	TRANS 2SC1815 (JC 547A)	046014055311
RDX	RES M.O FILM 39R 1/2W	030058639011
R101	RES CEMENT 5.6R 5W	032053656921
R102,3	RES M.O FILM 68K 5% 2W	030208668311
R104	RES CAR 220R 1/4W	030020622131
R106	RES CAR 8.2K 1/4W	030020682231
R107	RES CAR 47R 1/4W	030020647031
R108	RES CAR 220K 1/4W	030020622411
R109	RES CAR 330K 1/4W	030020633411
R110	RES CAR 3.3K 1/4W	030020633231
R111	RES CAR 47R 1/4W	030020647031
R112	RES CAR 5.1R 1/4W	030020651911
R114	RES CAR 10K 1/4W	030020610331
R115	RES COAT INS 8.2K 1W	030103682521
R127	RES M.O FILM 12K 1W	030108712311
R12	RES M FILM FUSING 1R 1W	030105610911
R131	RES M FILM FUSING 1R 1W	030105610911
R132	RES M.O FILM 47K 1W	030108647311
R133	RES M.O FILM 3.3R 1W	030108633911
R134	RES CAR 3.3K 1/4W	030020633231

R135	RES CAR 390R 1/4W	030020639131
R136	RES CAR 4.7K 1/4W	030020647231
R137	RES CAR 47R 1/4W	030020647031
R151	RES CAR 150R 1/4W	030020615131
R152-3	RES CAR 1.2K 1/4W	030020612231
R154	RES CAR 5.6K 1/4W	030020656231
R155,199 ..	RES CAR 10OHM 1/4W	030020610031
R156	RES CAR 68R 1/4W	030020668031
R161	RES CAR 10K 1/4W	030020610331
R162	RES CAR 10K 1/6W 5%	030140610311
R163	RES CAR 10K 1/4W	030020610331
R164	RES CAR 22K 1/4W	030020622331
R165	RES CAR 1K 1/4W	030020610231
R168	RES CAR 22K 1/4W	030020622331
R169	RES CAR 4.7K 1/4W	030020647231
R172	RES CAR 10K 1/4W	030020610331
R172	RES CAR 4.7K 1/4W	030020647231
R173	RES CAR 2.7K 1/4W	030020627231
R175	RES CAR 1M 1/4W	030020610511
R181	RES CAR 330R 1/4W	030020633131
R182	RES CAR 5.6K 1/4W	030020656231
R183	RES CAR 1K 1/4W	030020610231
R184	RES CAR 100R 1/4W	030020610131
R185	RES CAR 180R 1/4W	030020618111
R186	RES CAR 1K 1/4W	030020610231
R186	RES CAR 470R 1/4W	030020647131
R187	RES CAR 1.5K 1/4W	030020615231
R189	RES CAR 4.7K 1/4W	030020647231
R190	RES CAR 8.2K 1/4W	030020682231
R191	RES CAR 680R 1/4W	030020668111
R192	RES CAR 12K 1/4W	030020612331
R193-5	RES CAR 100R 1/4W	030020610131
R196	RES CAR 100K 1/4W	030020610411
R197	RES CAR 47K 1/4W	030020647331

R200	RES CAR 27K 1/4W	030020627331
R201	RES CAR 470K 1/4W	030020647431
R202	RES CAR 12K 1/4W	030020612331
R204	RES CAR 330K 1/4W	030020633411
R205	RES CAR 5.6K 1/4W	030020656231
R209	RES CAR 1M 1/4W	030020610511
R210	RES CAR 56K 1/4W	030020656331
R211	RES CAR 2M 1/4W	030020620511
R212	RES CAR 3.3K 1/4W	030020633231
R213	RES CAR 10K 1/4W	030020610331
R214	RES CAR 18K 1/4W	030020618331
R215	RES CAR FILM 47K 1/6W	030140647311
R241	RES CAR 220R 1/4W	030020622131
R242	RES CAR 1K 1/4W	030020610231
R250	RES CAR 4.7K 1/4W	030020647231
R253-6	RES CAR 1.5K 1/4W	030020615231
R259	RES CAR 470R 1/4W	030020647131
R26	RES CAR 15R 1/4W	030020615011
R260	RES NON FLAM 2.7K 1/2W	030059627211
R261	RES CAR 470R 1/4W	030020647131
R263	RES CAR 470R 1/4W	030020647131
R27	RES CAR 150R 1/4W	030020615131
R326	RES CAR 1K 1/4W	030020610231
R328	RES CAR 330R 1/4W	030020633131
R350	RES CAR 270R 1/6W	030140627111
R389	RES CAR 5.6K 1/4W	030020656231
R401	RES M.O FILM 2.2R 1/2W	030058622911
R402	RES M. FILM FUS 0.47R 1W	030105647811
R404	RES CAR 18K 1/6W	030140618311
R405	RES CAR 10K 1/6W 5%	030140610311
R406	RES CAR 330R 1/6W	030140633101
R407	RES CAR FILM 100K 1/6W	030140610411
R476	RES CAR 22K 1/4W	030020622331
R477	RES CAR 3.3K 1/4W	030020633231

R478	RES CAR 15R 1/4W	030020615011
R479	RES CAR 12K 1/4W	030020612331
R480	RES CAR 47K 1/4W	030020647331
R481	RES CAR 3.9K 1/6W	030140639211
R482,5,9 ...	RES CAR 1.8K 1/6W	030020618231
R483	RES CAR 68K 1/4W	030020668311
R484	RES CAR 47K 1/4W	030020647331
R486	RES CAR 15K 1/6W	030140615311
R487	RES CAR 33K 1/4W	030020633331
R488	RES CAR 47K 1/4W	030020647331
R490	RES CAR 10K 1/6W 5%	030140610311
R491	RES CAR 33K 1/6W	030140633301
R492	RES CAR 100K 1/4W	030020610411
R493	RES CAR 1.8K 1/6W	030020618231
R494	RES CAR 10K 1/6W 5%	030140610311
R495	RES CAR 56K 1/6W	030140656311
R496	RES CAR 18K 1/6W	030140618311
R498	RES CAR FILM 47K 1/6W	030140647311
R499	RES CAR 22K 1/4W	030020622331
R507	RES CAR 1.2K 1/4W	030020612231
R508-511 ..	RES CAR 1.5K 1/4W	030020615231
R51	RES CAR 390R 1/4W	030020639131
R512-14 ...	RES CAR 10K 1/4W	030020610331
R515	RES CAR 47K 1/4W	030020647331
R516, 585 ..	RES CAR 100R 1/4W	030020610131
R517	RES CAR 1K 1/4W	030020610231
R518	RES CAR 470R 1/4W	030020647131
R519,23 ...	RES CAR 1.8K 1/6W	030020618231
R52	RES NON FLAM 2.7K 1/2W	030059627211
R520	RES CAR 1.5K 1/4W	030020615231
R521	RES CAR 5.6K 1/4W	030020656231
R522	RES CAR 47K 1/4W	030020647331
R524	RES CAR 4.7K 1/4W	030020647231
R525	RES CAR 15K 1/4W	030020615331

R526	RES CAR 100K 1/4W	030020610411
R527	RES CAR 150K 1/4W	030020615431
R528,30 ...	RES CAR 100R 1/4W	030020610131
R529	RES CAR 3.3K 1/4W	030020633231
R53	RES M.O. 10K 2W	030208610311
R531	RES CAR 3.3K 1/4W	030020633231
R532	RES CAR 220K 1/4W	030020622411
R533	RES CAR 100K 1/4W	030020610411
R535	RES CAR 56K 1/4W	030020656331
R54	RES CAR 820R 1/4W	030020682111
R549	RES CAR 2.2K 1/4W	030020622231
R55	RES CAR 2.2K 1/4W	030020622231
R56	RES CAR 470R 1/4W	030020647131
R57,63	RES CAR 100R 1/4W	030020610131
R576	RES CAR 3.3K 1/4W	030020633231
R578	RES NONFLAM 270R 1W	030109627111
R579	RES CAR 4.7R 1/4W	030020647911
R58	RES CAR 390R 1/4W	030020639131
R581	RES CAR 15K 1/4W	030020615331
R582	RES CAR 33R 1/4W	030020633031
R583	RES M.O. 1.5R 1W	030108615911
R584	RES CAR 56K 1/4W	030020656331
R586	RES CAR 22K 1/4W	030020622331
R587	RES CAR 10K 1/4W	030020610331
R589	RES NONFLAM 220R1/2W	030059622111
R59	RES NON FLAM 2.7K 1/2W	030059627211
R590	RES CAR 20K 1/4W	030020620311
R596	RES CAR 4.7K 1/4W	030020647231
R597	RES CAR 47R 1/4W	030020647031
R598	RES M.O. 10K 2W	030208610311
R599	RES CEMENT 2K 5W	032053620211
R60	RES M.O. 10K W	0300208610311
R601	RES CEMENT 5.6R 5W	032053656921
R602	RES CAR 4.7K 1/4W	030020647231

COLOUR TELEVISION

REPLACEMENT PARTS LIST PAGE 13

R603	RES M.O. 1K 3W	030218610211
R604	RES CAR 22K 1/4W	030020622331
R606	RES CAR 8.2K 1/4W	030020682231
R608	RES M FILM FUSING 1R 1W	030105610911
R609	RES CAR 1K 1/4W	030020610231
R61	RES CAR 2.2K 1/4W	030020622231
R610	RES FUS 0.22R 1/2W	030055722811
R62	RES CAR 470R 1/4W	030020647131
R64	RES CAR 680R 1/4W	030020668111
R65	RES CAR 390R 1/4W	30020639131
R66	RES NON FLAM 2.7K 1/2W	030059627211
R67	RES M.O. 10K 2W	030208610311
R68	RES CAR 2.2K 1/4W	030020622231
R69	RES CAR 470R 1/4W	030020647131
R694	RES CAR 75R 1/4W	030020675011
R695	RES CAR 680R 1/4W	030020668111
R696	RES CAR 33K 1/4W	030020633331
R696/7	RES CAR 33K 1/4W	030020633331
R70	RES CAR 100R 1/4W	030020610131
R700	RES CAR 75R 1/4W	030020675011
R701	RES CAR 680R 1/4W	030020668111
R702	RES CAR 75R 1/4W	030020675011
R703	RES CAR 680R 1/4W	030020668111
R704	RES CAR 75R 1/4W	030020675011
R706	RES CAR 680R 1/4W	030020668111
R707	RES CAR 1K 1/4W	030020610231
R708	RES CAR 75R 1/4W	030020675011
R709	RES CAR 680R 1/4W	030020668111
R71	RES CAR 680R 1/4W	030020668111
R717	RES CAR 15K 1/4W	030020615331
R718	RES CAR 470R 1/4W	030020647131
R719	RES CAR 470R 1/4W	030020647131
R72	RES CAR 3.3K 1/4W	030020633231
R721	RES CAR 220R 1/4W	030020622131

R73	RES CAR 2.2M 1/4W	030020622511
R74	RES CAR 1.5K 1/4W	030020615231
R75-R77 ...	RES CAR 10K 1/4W	030020610331
R761	RES CAR 100R 1/4W	030020610131
R762	RES CAR 2.2K 1/4W	030020622231
R765	RES CAR 220R 1/4W	030020622131
R776	RES CAR 8.2K 1/4W	030020682231
R777-8	RES CAR 33K 1/4W	030020633331
R779	RES CAR 4.7K 1/4W	030020647231
R780	RES CAR 1.5K 1/4W	030020615231
R781	RES CAR 470R 1/4W	030020647131
SW10	POWER SWITCH	081004120001
T181	COIL TUNING 39.5MHZ(AFC)	608280001881
T26	COIL 31.9MHZ	608280001871
T27	COIL TUNING 39.5MHZ(AFC)	608280001881
VR101	TRIMPOT CAR 5K6MM 0.5W	611380015021
VR181,2 ...	TRIMPOT CAR 10K 0.5W	611380011031
VR51,52 ...	TRIMPOT 10K 0.5W	611180011031
VR53, 55	TRIMPOT 500R 0.5W	611180015011
VR54	TRIMPOT 10K 0.5W	611180011031
VR576	TRIM POT 500R 0.5W	611380015011
VR577	TRIMPOT CAR 10K 0.5W	611380011031
WC42	WIRE CONNECTOR (5 PIN)	002052000241
WC5	15PIN WIRE CON.W2 CNN	002052000401
WC51	CONNECTOR (5 PIN)	075030511001
WC574	PIN WIRE (3P)CON. W 2CN	002042000031

MATSUI 2096R/T

MANUAL NUMBER **665684**

COLOUR TELEVISION

REPLACEMENT PARTS LIST PAGE I

WIRE CONNECTOR (8 PIN)	*002081000511*
POWER CORD	*002528503041*
LOCK FOR COVER A4U66-99	*005410001421*
LOGO	*005410427040*
RUBBER CRT	*005451025120*
SPEAKER GRILL (R)	*013610711480*
SPEAKER GRILL (L)	*013610711490*
RES WIREWOUND 0.68OHM 5W	*032040647821*
TDA 4662 IC	*045000000881*
LA 7880 IC (7830)	*045190083471*
SAA5264P-T IC	*045190113491*
INSTRUCTION MANUAL(2096R)	*065001008900*
INSTRUCTION MANUAL (2096T)	*065001008910*
PICTURE TUBE	*070512112191*
CRT SOCKET (29MM)	*075020800031*
CONN 4P (3 PIN)	*075030411011*
CONNECTOR (5 PIN)	*075030511001*
CONNECTOR (8 PIN)	*075030811011*
CONNECTOR (6 PIN)	*075100611001*
POWER TRANSFORMER	*602470003370*
DEF COIL	*606300000161*
COIL DEGAUS FOR CRT	*608580003750*
TWEETER SPEAKER 16R 5W	*610206610241*
SPEAKER 16R 10W WOOFER	*610206888161*
REMOTE CONTROL (2096R)	*631020001071*
REMOTE CONTROL (2096T)	*631020001081*
MAIN CHASSIS ASSY	*841100012999*
COMP CRT SOCKET	*841104013418*
TELETEXT PCB ASSY	*841120013919*
ON-OFF BLOCK ASSY	*841210012998*
COMP PREAMP ASSY	*841220013947*
COMP KEYBOARD	*841300012998*
CONTROL PANEL COVER	*905100007010*

	FRONT CABINET (2096R)	842010012998
	FRONT CABINET (2096T)	842000012999
	ACRYLIC DISPLAY WINDOW	905111007020
	ON/OFF KNOB	905111007030
	MAIN CHASSIS FRAME	905111007090
	PREAMP ON OFF HOLDER FRAM	905111007100
	KEYBOARD HOLDER	905111007110
	ON/OFF BUTTON	905111007120
	SPEAKER CAB RIGHT	905111007140
	SPEAKER CAB LEFT	905111007150
	CRT HOLDER	905111007160
	BACK CABINET	905111007200
	CRT MOUNTING BRACKETS	905111207080
	CONTROL DOOR HINGE	951110007070
CDX	CAP CER 2200PF 2KV	040040172221
C1	CAP CER 100PF 50V 10%	040040041011
C101	CAP POLY 0.10MF 275V AC	620022061041
C102	CAP POLY 0.10MF 275V AC	620022061041
C103,4	CAP CER 1000PF 1KV BN	040046151021
C105	CAP AL ELEC 100MF 400V	042719901071
C106	CAP POLY 0.033MF 630V	621003133331
C107	CAP CER 1000PF 2KV	040040171021
C108	CAP CER 100PF 50V 10%	040040041011
C109	CAP ELEC 1MF 50V	042416501051
C110	CAP POLY 0.0033MF 50V	621004003321
C111	CAP POLY 0.0068MF 50V	621005006821
C112	CAP ELEC 47MF 16V	042447164761
C113	CAP POLY 0.22MF 50V	620004002241
C114	CAP CER 100PF 1KV	040050151011
C115	CAP CER 2200PF 4KV	040040202221
C116,18	CAP CER 470PF 1KV	040040154711
C117	CAP ELEC 1000MF 25V	042440251081
C119	CAP ELEC 47MF 160V	042419834761
C120	CAP ELEC 1000MF 16V	042412161081

MATSUI 2096R/T

MANUAL NUMBER **665684**

COLOUR TELEVISION

REPLACEMENT PARTS LIST PAGE 3

C121	CAP ELEC 220MF 16V	042417162271
C123	CAP CER 100NF 25V 20%	040070021031
C124	CAP ELEC 47MF 16V	042447164761
C125	CAP ELEC 2.2MF 50V	042184502251
C126	CAP CER 10NF 50V 20%	040070041031
C128	CAP ELEC 220MF 16V	042417162271
C129	CAP CER 470PF 1KV	040040154711
C130	CAP ELEC 2200MF 25V	042410252281
C131	CAP ELEC 220MF 16V	042417162271
C132	CAP POLY 0.1MF 50V	621003001041
C133	CAP POLY 0.1MF 50V	621003001041
C13	CAP ELEC 4.7MF 50V	042194504751
C135	CAP CER 470PF 1KV	040040154711
C136	CAP ELEC 220MF 16V	042417162271
C151-4	CAP CER 1NF 50V 20%	040070041021
C161	CAP ELEC 470MF 16V	042140164771
C162	CAP CER 100NF 25V 20%	040070021031
C163	CAP CER 10NF 50V 20%	040070041031
C164	CAP ELECT 10MF 16V 20%	042446161061
C165	CAP ELEC 33MF 16V	042417163361
C167	CAP M POLYEST.330NF 50V	620003003341
C170	CAP POLY 0.1MF	621003001041
C181	CAP CER 4700PF 50V	040040044721
C182	CAP CER 10PF 50V 5%	040032041001
C183	CAP ELECT 10MF 16V 20%	042446161061
C184,6,7	CAP CER 100NF 25V 20%	040070021031
C185	CAP ELEC 220MF 16V	042417162271
C188	CAP POLY 0.047MF 50V	618024004731
C189	CAP ELECT 10MF 16V 20%	042446161061
C190	CAP POLY 0.1MF 50V	621003001041
C191	CAP ELECT 10MF 16V 20%	042446161061
C192-4	CAP CER 100NF 25V 20%	040070021031
C195	CAP ELECT 10MF 16V 20%	042446161061
C196	CAP ELECT 10MF 16V 20%	042446161061

C197	CAP CER 100NF 25V 20%	040070021031
C198	CAP POLY 0.0047MF 50V.....	618024004721
C200	CAP CER 18PF 50V	040032041801
C201	CAP CER 10NF 50V 20%	040070041031
C202	CAP ELECT 10MF 16V 20%	042446161061
C203	CAP POLY 0.0022MF 50V.....	618014002221
C204	CAP POLY 0.0047MF 50V.....	618024004721
C205	CAP ELEC 1MF 50V	042416501051
C206	CAP CER 2.2NF 50V	040071042221
C207	CAP POLY 0.1MF 63V	620013081041
C208	CAP POLY 0.022MF 50V	618013002231
C209	CAP CER 22NF 50V	040060042231
C210	CAP ELEC 2.2MF 50V	042184502251
C211	CAP POLY 0.022MF 50V	618013002231
C212	CAP POLY 0.1MF 50V	621003001041
C213	CAP ELECT 10MF 16V 20%	042446161061
C214	CAP ELEC 2.2MF 50V	042184502251
C215	CAP CER 100NF 25V 20%	040070021031
C216	CAP ELECT 10MF 16V 20%	042446161061
C241	CAP CER 100NF 25V 20%	040070021031
C242	CAP ELEC 100MF 16V	04214016071
C243	CAP POLY 0.1MF 50V	621003001041
C244	CAP POLY 0.1MF 50V	62100300104
C245-6	CAP CER 1NF 50V 20%	040070041021
C26	CAP CER 15PF 5% 50V	040032041501
C27-28	CAP CER 5PF 50V	040030045091
C29	CAP CER 12PF 50V	040034041201
C30	CAP CER 1NF 50V 20%	040070041021
C31	CAP CER 100PF 50V 10%	040040041011
C326	CAP CER 33PF 10% 50V	040041043301
C328	CAP CER 47PF 50V	040041044701
C329	CAP ELEC 1MF 50V	042416501051
C401	CAP POLY 0.1MF 50V	621003001041
C402-3	CAP ELEC 1000MF 25V	042440251081

C404	CAP CER 100NF 25V 20%	040070021031
C405	CAP ELEC 47MF 16V	042447164761
C407	CAP CER 2.2NF 50V	040071042221
C408	CAP ELEC 2.2MF 50	042184502251
C409	CAP ELECT 10MF 16V 20%	042446161061
C410	CAP POLY 0.1MF 50V	621003001041
C476	CAP CER 22NF 50V	040060042231
C477	CAP M POLYEST.330NF 50V	620003003341
C478-81	CAP ELEC 2.2MF 50V	042184502251
C483-6	CAP CER.22PF 50V	040042042201
C487	CAP POLYEST 0.015UF 50V	621004001531
C488	CAP POLY 0.1MF 50V	621003001041
C489-90	CAP CER 47PF 50V	040040044701
C491-2	CAP CER 33PF 50V	040040043301
C493	CAP ELEC 1MF 50V	042416501051
C494	CAP ELEC 220MF 16V	042417162271
C495	CAP CER 22NF 50V	040060042231
C496	CAP POLY 0.022MF 50V	018013002231
C497	CAP ELEC 470MF 16V	042140164771
C51-52	CAP CER 220PF 50V	040020042211
C53	CAP CER 560PF 50V	040042045611
C54	CAP ELEC 470MF 16V	042140164771
C55	CAP.ELECT 10UF 250V	042440861061
C56	CAP ELECT 2.2UF 250V	042446862251
C57	CAP CER 1000PF 2KV	040040171021
C576	CAP CER 100PF 500V	040040141011
C577	CAP CER 1NF 50V 20%	040070041021
C578	CAP CER 22NF 50V	040060042231
C579	CAP ELEC 1000MF 35V	042416351081
C58	CAP CER 4700PF 2KV	040060174721
C580	CAP 100 UF 50V	042446351071
C581	CAP ELEC 1MF 50V	042416501051
C582	CAP ELEC 1000MF 16V	042412161081
C583	CAP POLY 0.1MF 50V	621003001041

C587	CAP CER 470PF 2KV	040040174711
C590	CAP ELEC 1MF 250V	042414861051
C592	CAP CER 680PF 1KV	040040156811
C593	CAP ELEC 1MF 250V	042414861051
C597	CAP CER 1000PF 2KV	040040171021
C598	CAP ELEC 4.7MF 50V	042194504751
C599	CAP ELEC 1MF 50V	042416501051
C600	CAP CER 220PF 500V	040040142211
C611	CAP ELEC 47MF 160V	042419834761
C670	CAP ELEC 22MF 20% 16V	042194162261
C671	CAP CER 10NF 10% 50V	040042041021
C676	CAP CER 100NF 25V 20%	040070021031
C687	CAP CER 22PF 10% 50V	040040042201
C690/2/5	CAP CER 22PF 10% 50V	040040042201
C696/8	CAP CER 22PF 10% 50V	040040042201
C761/2	CAP ELECT 10MF 16V 20%	042446161061
D101-4	DIODE IN4007	048321423201
D105	DIODE BYD33D	048000000011
D106	DIODE BYV95C	048000000021
D107	ZENER 6.2V	048542613621
D108-9	DIODE BYD33D	048000000011
D111-13	DIODE BYV95C	048000000021
D114	DIODE TEMP UPC574J	048000000141
D115	DIODE BYD33D	048000000011
D164-7	DIODE IN4148	048210411001
D169-71	DIODE IN4148	048210411001
D181	DIODE IN4148	048210411001
D187	DIODE IN4148	048210411001
D241	ZENER 5.1V 0.5W	048100255101
D476-82	DIODE IN4148	048210411001
D483	ZENER 7.5V 0.5W	048000000111
D484-487 ...	DIODE IN4148	048210411001
D488	ZENER 3.9V 0.5W	048320702201
D489-90	DIODE IN4148	048210411001

D491	ZENER 3.9V 0.5W	048320702201
D500	DIODE IN4148	048210411001
D51	DIODE BYD33D	048000000011
D582	DIODE BYV95C	048000000021
D582-3	DIODE BYV95C	048000000021
D582-3-5	DIODE BYV95C	048000000021
D584	ZENER 9.1V 0.5W	048548637001
D734/5	DIODE IN4148	048210411001
EM103	FUSE SLOW 3.15A 250V	067420001811
EM104	FILTER LINE ELF-18D615	608980003721
EM105	POS PTH451A102BG180M290	034710303631
EM111	T'FORMER SMPS 110V	602470003340
EM113	COIL FIL 3.5X10X1.3 H	608780002411
EM151	TUNER (TYPE ECU5983VA06A)	616805700011
EM182	CRYSTAL 4.433619MHZ	049030000501
EM476	CRYSTAL 8.00MHZ	049030000041
EM575	HARNESS ASSY 2P (HOR)	002344500031
EM575	CONN 2P 5283-02A	075030261001
EM576	HARNESS ASSY 2P (VER)	002344500021
EM576	CONN 2P 5279-02A	075030211001
EM577	T'FORMER HORZ DRIVE	602300033051
EM579	COIL FIL 3.5X10X1.3 H	608780002411
EM580	T'FORMER FLYBACK (HR7577)	604200000230
E102	HARNESS ASSY 2P 70CM	002099502001
E102	CONN 2PIN 5285-02A(MAIN)	075100211021
E108	HARNESS ASSY 2P (DEGUASS)	075100211781
E108	CONN 2P 5287-02A(DEGAUSS)	075100211781
IC101	LM317	045238103051
IC102	L7808 8V 1A	045018113181
IC103	LM7805/L7805 5V 1A	045238103081
IC104	TDA4605	045000000761
IC241	TDA4661 IC	045000000721
IC401	TDA1905	045100311451
IC476	ST6385BB1	045000000591

IC577	TDA8403K IC	045000000821
L101	COIL CHOKE 150 UH	608380002361
L151	COIL AX FIXED 1UHJ	608980000111
L152	COIL AX FIXED 10 UH	608000000021
L181	COIL AX FIXED 6.8 UHJ	608080000161
L182	COIL AX FIXED 10 UH	608000000021
L326	COIL AX FIXED 8.2 UH J	608080000191
L476	COIL 47UH AXIAL	608000000031
L51	COIL 150UH AXIAL	608000002781
L578	COIL 50UH LINEARITY	608980004051
L676-81	COIL AX FIXED 8.2 UH J	608080000191
Q101	TRANS H3N90	046933000011
Q102	TRANS 2SC1815 (JC 547A)	046014055311
Q151	TRANS BF370	046001259011
Q166/7	TRANS 2SC1815 (JC 547A)	046014055311
Q181	TRANS 2SC1815 (JC 547A)	046014055311
Q257	TRANS 2SC1815 (JC 547A)	046014055311
Q476	TRANS PH2369	046000022101
Q478	TRANS 2SC1815 (JC 547A)	046014055311
Q480,88	TRANS JC558	046926168331
Q482-5	TRANS 2SC1815 (JC 547A)	046014055311
Q51-3	TRANS BF869	046472261011
Q579	TRANS 2SC1573A	046000000051
Q580	TRANS BUH315D	046932183041
Q581	TRANS 2SC1815 (JC 547A)	046014055311
Q678	TRANS 2SC1815 (JC 547A)	046014055311
RDX	RES M.O FILM 39R 1/2W	030058639011
R101	RES CEMENT 5.6R 5W	032053656921
R102,3	RES M.O FILM 68K 5% 2W	030208668311
R104	RES CAR 220R 1/4W	030020622131
R106	RES CAR 8.2K 1/4W	030020682231
R107	RES CAR 47R 1/4W	030020647031
R108	RES CAR 220K 1/4W	030020622411
R109	RES CAR 330K 1/4W	030020633411

R110	RES CAR 3.3K 1/4W	*030020633231*
R111	RES CAR 47R 1/4W	*030020647031*
R112	RES CAR 5.1R 1/4W	*030020551911*
R114	RES CAR 10K 1/4W	*030020610331*
R115	RES COAT INS 8.2K 1W	*030103682521*
R127	RES M.O FILM 12K 1W	*030108712311*
R128	RES M FILM FUSiNG 1R 1W	*030105610911*
R131	RES M FILM FUSING 1R 1W	*030105610911*
R132	RES M.O FILM 47K 1W	*030108647311*
R133	RES M.O FILM 3.3R 1W	*030108633911*
R134	RES CAR 3.3K 1/4W	*030020633231*
R135	RES CAR 390R 1/4W	*030020639131*
R136	RES CAR 4.7K 1/4W	*030020647231*
R137	RES CAR 47R 1/4W	*030020647031*
R151	RES CAR 150R 1/4W	*030020615131*
R152-3	RES CAR 1.2K 1/4W	*030020612231*
R154	RES CAR 5.6K 1/4W	*030020656231*
R155,199 ...	RES CAR 10OHM 1/4W	*030020610031*
R156	RES CAR 68R 1/4W	*030020668031*
R161	RES CAR 10K 1/4W	*030020610331*
R162	RES CAR 10K 1/6W 5%	*030140610311*
R163	RES CAR 10K 1/4W	*030020610331*
R164	RES CAR 22K 1/4W	*030020622331*
R165	RES CAR 1K 1/4W	*030020610231*
R168	RES CAR 22K 1/4W	*030020622331*
R169	RES CAR 4.7K 1/4W	*030020647231*
R172	RES CAR 10K 1/4W	*030020610331*
R172	RES CAR 4.7K 1/4W	*030020647231*
R173	RES CAR 2.7K 1/4W	*030020627231*
R175	RES CAR 1M 1/4W	*030020610511*
R181	RES CAR 330R 1/4W	*030020633131*
R182	RES CAR 5.6K 1/4W	*030020656231*
R183	RES CAR 1K 1/4W	*030020610231*
R184	RES CAR 100R 1/4W	*030020610131*

R185	RES CAR 180R 1/4W	030020618111
R186	RES CAR 1K 1/4W	030020610231
R18	RES CAR 470R 1/4W	030020647131
R187	RES CAR 1.5K 1/4W	030020615231
R189	RES CAR 4.7K 1/4W	030020647231
R190	RES CAR 8.2K 1/4W	030020682231
R191	RES CAR 680R 1/4W	030020668111
R192	RES CAR 12K 1/4W	030020612331
R193-5	RES CAR 100R 1/4W	030020610131
R196	RES CAR 100K 1/4W	030020610411
R197	RES CAR 47K 1/4W	030020647331
R200	RES CAR 27K 1/4W	030020627331
R201	RES CAR 470K 1/4W	030020647431
R202	RES CAR 12K 1/4W	030020612331
R204	RES CAR 330K 1/4W	030020633411
R205	RES CAR 5.6K 1/4W	030020656231
R209	RES CAR 1M 1/4W	030020610511
R210	RES CAR 56K 1/4W	030020656331
R211	RES CAR 2M 1/4W	030020620511
R212	RES CAR 3.3K 1/4W	030020633231
R213	RES CAR 10K 1/4W	030020610331
R214	RES CAR 18K 1/4W	030020618331
R215	RES CAR FILM 47K 1/6W	030140647311
R241	RES CAR 220R 1/4W	030020622131
R242	RES CAR 1K 1/4W	030020610231
R250	RES CAR 4.7K 1/4W	030020647231
R253-6	RES CAR 1.5K 1/4W	030020615231
R259	RES CAR 470R 1/4W	030020647131
R26	RES CAR 15R 1/4W	030020615011
R260	RES NON FLAM 2.7K 1/2W	030059627211
R261	RES CAR 470R 1/4W	030020647131
R263	RES CAR 470R 1/4W	030020647131
R27	RES CAR 150R 1/4W	030020615131
R326	RES CAR 1K 1/4W	030020610231

R328	RES CAR 330R 1/4W	030020633131
R350	RES CAR 270R 1/6W	030140627111
R389	RES CAR 5.6K 1/4W	030020656231
R401	RES M.O FILM 2.2R 1/2W	030058622911
R402	RES M. FILM FUS 0.47R 1W	030105647811
R404	RES CAR 18K 1/6W	030140618311
R405	RES CAR 10K 1/6W 5%	030140610311
R406	RES CAR 330R 1/6W	030140633101
R407	RES CAR FILM 100K 1/6W	030140610411
R476	RES CAR 22K 1/4W	030020622331
R477	RES CAR 3.3K 1/4W	030020633231
R478	RES CAR 15R 1/4W	030020615011
R479	RES CAR 12K 1/4W	030020612331
R480	RES CAR 47K 1/4W	030020647331
R481	RES CAR 3.9K 1/6W	030140639211
R482,5,9	RES CAR 1.8K 1/6W	030020618231
R483	RES CAR 68K 1/4W	030020668311
R484	RES CAR 47K 1/4W	030020647331
R486	RES CAR 15K 1/6W	030140615311
R487	RES CAR 33K 1/4W	030020633331
R488	RES CAR 47K 1/4W	030020647331
R490	RES CAR 10K 1/6W 5%	030140610311
R491	RES CAR 33K 1/6W	030140633301
R492	RES CAR 100K 1/4W	030020610411
R493	RES CAR 1.8K 1/6W	030020618231
R494	RES CAR 10K 1/6W 5%	030140610311
R495	RES CAR 56K 1/6W	030140656311
R496	RES CAR 18K 1/6W	030140618311
R498	RES CAR FILM 47K 1/6W	030140647311
R499	RES CAR 22K 1/4W	030020622331
R507	RES CAR 1.2K 1/4W	030020612231
R508-511	RES CAR 1.5K 1/4W	030020615231
R51	RES CAR 390R 1/4W	030020639131
R512-14	RES CAR 10K 1/4W	030020610331

R515	RES CAR 47K 1/4W	030020647331
R516,585 ...	RES CAR 100R 1/4W	030020610131
R517	RES CAR 1K 1/4W	030020610231
R518	RES CAR 470R 1/4W	030020647131
R519,23	RES CAR 1.8K 1/6W	030020618231
R52	RES NON FLAM 2.7K 1/2W	030059627211
R520	RES CAR 1.5K 1/4W	030020615231
R521	RES CAR 5.6K 1/4W	030020656231
R522	RES CAR 47K 1/4W	030020647331
R524	RES CAR 4.7K 1/4W	030020647231
R525	RES CAR 15K 1/4W	030020615331
R526	RES CAR 100K 1/4W	030020610411
R527	RES CAR 150K 1/4W	030020615431
R528,30	RES CAR 100R 1/4W	030020610131
R529	RES CAR 3.3K 1/4W	030020633231
R53	RES M.O. 10K 2W	030208610311
R531	RES CAR 3.3K 1/4W	030020633231
R532	RES CAR 220K 1/4W	030020622411
R533	RES CAR 100K 1/4W	030020610411
R535	RES CAR 56K 1/4W	030020656331
R54	RES CAR 820R 1/4W	030020682111
R549	RES CAR 2.2K 1/4W	030020622231
R55	RES CAR 2.2K 1/4W	030020622231
R56	RES CAR 470R 1/4W	030020647131
R57,63	RES CAR 100R 1/4W	030020610131
R576	RES CAR 3.3K 1/4W	030020633231
R578	RES NONFLAM 270R 1W	030109627111
R579	RES CAR 4.7R 1/4W	030020647911
R58	RES CAR 390R 1/4W	030020639131
R581	RES CAR 15K 1/4W	030020615331
R582	RES CAR 33R 1/4W	030020633031
R583	RES M.O. 1.5R 1W	030108615911
R584	RES CAR 56K 1/4W	030020656331
R586	RES CAR 22K 1/4W	030020622331

REPLACEMENT PARTS LIST PAGE 13

R587	RES CAR 10K 1/4W	030020610331
R589	RES NONFLAM 220R1/2W	030059622111
R59	RES NON FLAM 2.7K 1/2W	030059627211
R590	RES CAR 20K 1/4W	030020620311
R596	RES CAR 4.7K 1/4W	030020647231
R597	RES CAR 47R 1/4W	030020647031
R598	RES M.O. 10K 2W	030208610311
R599	RES CEMENT 2K 5W	032053620211
R60	RES M.O. 10K 2W	0300208610311
R601	RES CEMENT 5.6R 5W	032053656921
R602	RES CAR 4.7K 1/4W	030020647231
R603	RES M.O. 1K 3W	030218610211
R604	RES CAR 22K 1/4W	030020622331
R606	RES CAR 8.2K 1/4W	030020682231
R608	RES M FILM FUSING 1R 1W	030105610911
R609	RES CAR 1K 1/4W	030020610231
R61	RES CAR 2.2K 1/4W	030020622231
R610	RES FUS 0.22R 1/2W	030055722811
R62	RES CAR 470R 1/4W	030020647131
R64	RES CAR 680R 1/4W	030020668111
R65	RES CAR 390R 1/4W	030020639131
R66	RES NON FLAM 2.7K 1/2W	030059627211
R67	RES M.O. 10K 2W	030208610311
R68	RES CAR 2.2K 1/4W	030020622231
R69	RES CAR 470R 1/4W	030020647131
R694	RES CAR 75R 1/4W	030020675011
R695	RES CAR 680R 1/4W	030020668111
R696	RES CAR 33K 1/4W	030020633331
R696/7	RES CAR 33K 1/4W	030020633331
R70	RES CAR 100R 1/4W	030020610131
R700	RES CAR 75R 1/4W	030020675011
R701	RES CAR 680R 1/4W	030020668111
R702	RES CAR 75R 1/4W	030020675011
R703	RES CAR 680R 1/4W	030020668111

R704	RES CAR 75R 1/4W	030020675011
R706	RES CAR 680R 1/4W	030020668111
R707	RES CAR 1K 1/4W	030020610231
R708	RES CAR 75R 1/4W	030020675011
R709	RES CAR 680R 1/4W	030020668111
R71	RES CAR 680R 1/4W	030020668111
R717	RES CAR 15K 1/4W	030020615331
R718	RES CAR 470R 1/4W	030020647131
R719	RES CAR 470R 1/4W	030020647131
R72	RES CAR 3.3K 1/4W	030020633231
R721	RES CAR 220R 1/4W	030020622131
R73	RES CAR 2.2M 1/4W	030020622511
R74	RES CAR 1.5K 1/4W	030020615231
R75-R77	RES CAR 10K 1/4W	030020610331
R761	RES CAR 100R 1/4W	030020610131
R762	RES CAR 2.2K 1/4W	030020622231
R765	RES CAR 220R 1/4W	030020622131
R776	RES CAR 8.2K 1/4W	030020682231
R777-8	RES CAR 33K 1/4W	030020633331
R779	RES CAR 4.7K 1/4W	030020647231
R780	RES CAR 1.5K 1/4W	030020615231
R781	RES CAR 470R 1/4W	030020647131
SW10	ON/OFF SWITCH	081000000031
T181	COIL TUNING 39.5MHZ(AFC)	608280001881
T26	COIL 31.9MHZ	608280001871
T27	COIL TUNING 39.5MHZ(AFC)	608280001881
VR101	TRIMPOT CAR 5K6MM 0.5W	611380015021
VR181,2	TRIMPOT CAR 10K 0.5W	611380011031
VR51,52	TRIMPOT 10K 0.5W	611180011031
VR53,55	TRIMPOT 500R 0.5W	611180015011
VR54	TRIMPOT 10K 0.5W	611180011031
VR576	TRIM POT 500R 0.5W	611380015011
VR577	TRIMPOT CAR 10K 0.5W	611380011031
WC42	WIRE CONNECTOR (5 PIN)	002052000241

MATSUI 2096R/T

COLOUR TELEVISION

MANUAL NUMBER **665684**

REPLACEMENT PARTS LIST PAGE 15

WC51	.....	5PIN WIRE CON.W2 CNN.....	
WC51	.....	CONNECTOR (5 PIN)	*002052000401*
WC57	.....	4 PIN WIRE (3P)CON. W 2CN	*075030511001*
			002042000031